

1-1-1887

## Catalogue of Trinity College, 1887-88 (Officers and Students)

Trinity College

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CATALOGUE  
OF THE  
OFFICERS AND STUDENTS  
OF  
TRINITY COLLEGE.

1887-88.

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PRO ECCLESIA ET PATRIA.

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HARTFORD, CONN.:  
PRINTED FOR THE COLLEGE.  
1887.

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OTYALDOL

OF THE

OTYALDOL AND STUDENTS

THINLY COLLAGE

1887-88

THE COLLEGE OF

HARTFORD

1887-88



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# TRINITY COLLEGE,

HARTFORD, CONNECTICUT.

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THE charter of Washington College was granted in 1823 by the General Assembly of the State of Connecticut; and by vote of the Trustees, in consequence of the liberal gifts of citizens of Hartford, the College was located in that city. In 1824 the work of instruction was begun; and two buildings, Seabury Hall and Jarvis Hall, were erected on an ample site near the city. In 1845 Brownell Hall was built; and in the same year, on the petition of the Alumni and the Corporation, the name of the College was changed to TRINITY COLLEGE; and the Alumni, who had formed a voluntary Association in 1831, were organized into a constituent part of the Academic body. In 1883 the charter was so amended as to provide for the election of three of the Trustees by the Alumni.

The College campus having been sold in 1872 to the city of Hartford as a site for the State Capitol, a new site of about eighty acres was purchased, where ground was broken in 1875 for the new buildings, which were occupied in 1878. Five years later the west side of the great quadrangle, more than six hundred feet in length, was completed by the erection of the central building, which, after the name of its donor, is called Northam Towers. The St. John Observatory was built in 1883, and the President's house in 1885. The new Gymnasium on the north campus was completed in 1887; and the Jarvis Hall of Science on the south campus is now in process of erection.

The requirements for admission and the course of instruction for degrees in the Arts have always been practically the same as in the other New England Colleges. The College has from the first made provision for the admission of students in special courses; and in 1884 three new courses of study were established, two of which lead to a degree in Science, and elective studies were introduced into all the courses. Copies of catalogues and examination-papers, and information concerning the courses of instruction, scholarships, etc., can be obtained from the President or from the Secretary of the Faculty.

The last edition of the Quinquennial Catalogue of the officers and graduates of the College was published in May, 1885. It is requested that memoranda of errors or omissions in this Catalogue, or of material for the next edition, be sent to the Professor of Latin.

# COLLEGE CALENDAR.

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## 1887.

Sept.	15.	<i>Thursday.</i>	Christmas Term begins.
Nov.	1.	<i>Tuesday.</i>	All Saints' Day. Holiday.
"	24.	<i>Thursday.</i>	Thanksgiving-Day.
Dec.	16.	<i>Friday.</i>	Christmas Examinations.
"	17.	<i>Saturday.</i>	" "
"	19.	<i>Monday.</i>	" "
"	20.	<i>Tuesday.</i>	" "
"	21.	<i>Wednesday.</i>	" "
"	22.	<i>Thursday.</i>	" " Appointment of Toucey Scholar. Christmas Vacation begins.

## 1888.

Jan.	12.	<i>Thursday.</i>	Trinity Term begins.
Feb.	15.	<i>Wednesday.</i>	Ash-Wednesday.
"	22.	<i>Wednesday.</i>	Holiday. Prize Version Appointments published. Oratorical Prize Contest.
March	6.	<i>Tuesday.</i>	Junior Standing published.
"	30.	<i>Friday.</i>	Good Friday.
April	11.	<i>Wednesday.</i>	English Prize Essays handed in.
"	13.	<i>Friday.</i>	Easter Recess begins.
"	23.	<i>Monday.</i>	Easter Recess ends.
"	24.	<i>Tuesday.</i>	English Literature Prize Examination.
"	25.	<i>Wednesday.</i>	Chemical Prize Essays handed in.
"	26.	<i>Thursday.</i>	Historical Prize Essays handed in.
"	27.	<i>Friday.</i>	Tuttle Prize Essays handed in.
"	28.	<i>Saturday.</i>	Latin Prize Examination.
May	5.	<i>Saturday.</i>	Mathematical Prize Examination.
"	10.	<i>Thursday.</i>	Ascension-Day.
"	24.	<i>Thursday.</i>	Prize Version Declamations.
"	27.	<i>Sunday.</i>	Trinity-Sunday.
June	6.	<i>Wednesday.</i>	Senior Examinations.
"	7.	<i>Thursday.</i>	" "
"	8.	<i>Friday.</i>	" "
"	9.	<i>Saturday.</i>	" "
"	11.	<i>Monday.</i>	" "



June	12.	<i>Tuesday.</i>	Senior Examinations.	Trinity Examinations.
"	13.	<i>Wednesday.</i>	"	"
"	14.	<i>Thursday.</i>	Trinity Examinations.	
"	15.	<i>Friday.</i>	"	Senior Standing published.
"	16.	<i>Saturday.</i>	"	
"	18.	<i>Monday.</i>	"	
"	19.	<i>Tuesday.</i>	"	
"	20.	<i>Wednesday.</i>	"	
"	21.	<i>Thursday.</i>	"	
"	22.	<i>Friday.</i>	Award of Prizes.	
"	24.	<i>Sunday.</i>	Baccalaureate Sermon.	
"	25.	<i>Monday.</i>	Examinations for Admission.	
"	26.	<i>Tuesday.</i>	"	Class-Day.
"	27.	<i>Wednesday.</i>	"	"
"	27.	<i>Wednesday.</i>	Annual Meetings of the Corporation and of the Association of the Alumni.	
"	28.	<i>Thursday.</i>	SIXTY-SECOND COMMENCEMENT.	
			Trinity Vacation begins.	

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Sept.	18.	<i>Tuesday.</i>	Examinations for Admission begin.
"	20.	<i>Thursday.</i>	Christmas Term begins.
Dec.	20.	<i>Thursday.</i>	Christmas Term ends.

In 1888-89 the Christmas Vacation will be two weeks.

# SENATUS ACADEMICUS.

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## VISITORS.

---

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115 Vernon Street (office, 13 Seabury Hall).

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*Librarian.*

490 Farmington Avenue.

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The stated meetings of the Faculty are held every Friday morning at eleven o'clock.



## GRADUATE STUDENT.

NAME.	RESIDENCE.	ROOM.
Joseph Wellington Shannon, B.A.,	<i>Riverside, Pa.</i>	28 J. H.

---

## UNDERGRADUATES.

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Malcolm Clark Warner,	<i>Salisbury, Ct.</i>	13 J. H.

## ABBREVIATIONS.

S. H.,	.	.	Seabury Hall.
J. H.,	.	.	Jarvis Hall.
N. T.,	.	.	Northam Towers.
S.,	.	.	Course in Science.
L. S.,	.	.	Course in Letters and Science.
L.,	.	.	Course in Letters.
Sp.,	.	.	Special Student.



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Edward McPherson McCook,	<i>Hartford.</i>	114 Main St.
John Butler McCook (L. s.),	<i>Hartford.</i>	114 Main St.
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John Williams,	<i>Seymour, Ct.</i>	6 J. H.
George Hermann Wright,	<i>New Milford, Ct.</i>	23 J. H.

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Jacob Humphrey Greene,	<i>Hartford.</i>	7 J. H.
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Harry Howard,	<i>Hartford.</i>	22 Centre St.
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Charles Ingersoll Maury (L. s.),	<i>Philadelphia, Pa.</i>	43 J. H.



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March Chase Mayo,	<i>Alta, Ill.</i>	13 Vernon St.
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Charles Herbert Young (sp.),	<i>Joliet, Ill.</i>	1 J. H.

## COURSES OF INSTRUCTION.

---

The College offers four Courses of instruction, viz.:

- I. A COURSE IN ARTS;
- II. A COURSE IN LETTERS AND SCIENCE;
- III. A COURSE IN SCIENCE;
- IV. A COURSE IN LETTERS.

The courses extend over four years, with the exception of the Course in Science, which is completed in three years.

Students completing the Course in Arts receive the degree of Bachelor of Arts. Students completing the Course in Letters and Science, or the Course in Science, receive the degree of Bachelor of Science.

Students who do not propose to pursue all the studies of any of the regular courses are permitted, under the name of Special Students, to recite with any class in such studies as upon examination they are found qualified to pursue. They are subject to the same rules and enjoy the same privileges as other students; and, upon honorable dismissal, they are entitled to a certificate from the President, stating the studies which they have pursued during their residence in the College. In future catalogues, the names of special students not candidates for degrees will be printed after the names of the other members of their respective classes.

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After the Commencement of 1888, the degree of Master of Arts will be conferred upon Bachelors of Arts of three years standing, who shall, by examination or otherwise, satisfy the Faculty that they have successfully pursued a course of study equivalent to the work of one academic year. Candidates desiring to receive the Master's degree in any year will be required to give notice of their intention to the Secretary of the Faculty before the 20th day of September in the preceding year.



## REQUIREMENTS FOR ADMISSION.

### I. COURSE IN ARTS.

Candidates for admission to the Freshman Class are examined in the following books:

#### GREEK.

Grammar (Hadley or Goodwin).  
 Xenophon: *Anabasis*, four Books.  
 Homer: *Iliad*, three Books, with Prosody  
 Prose Composition (Jones or White: the exercises in the first half of the book).  
 History of Greece.  
 [The translation of average passages, not previously read, from Xenophon and Homer will be accepted as an alternative to the above-mentioned quantities in these authors.]

#### LATIN.

Grammar.  
 Caesar: *Gallie War*, four Books.  
 Virgil: *Aeneid*, six Books, with Prosody.  
 Cicero: the Orations against Catiline, and that for the Poet Archias.  
 Prose Composition: Translation into Latin of a passage of connected English narrative, based upon some passage in Caesar's *Gallie War*.  
 Roman History: Outlines, to the death of Marcus Aurelius (Creighton).  
 Ancient Geography.  
 Candidates are also examined at sight upon average passages from Caesar's works, from Virgil's *Aeneid* and Ovid's *Metamorphoses*, and from Cicero's Orations.

#### MATHEMATICS.

Arithmetic, including the Metric System.  
 Algebra, through Radicals and Quadratic Equations, together with Proportion, Progressions, and the Binomial Theorem.  
 Plane Geometry.

#### ENGLISH.

Each candidate is required to write a short English composition, correct in spelling, punctuation, grammar, division by paragraphs, and expression, upon a subject announced at the time of the examination. In 1888 the subject will be chosen from the following works: Shakspeare's *Julius Caesar* and *Twelfth Night*; Johnson's *Lives of Addison and Pope*; Thackeray's *English Humorists*; Dobson's *Eighteenth Century Essays*; Pope's *Rape of the Lock* and *Essay on Criticism*; Miss Austen's *Pride and Prejudice*; Irving's *Bracebridge Hall*; Macaulay's *Lays of Ancient Rome*.

Each candidate will also be required to criticize specimens of English composition.

NOTE.—The works from which the subject of the composition will be chosen in the following years are:

In 1889: Shakspeare's *Julius Caesar* and *As you Like it*; Johnson's *Lives of Swift and Gray*; Thackeray's *English Humorists*; Swift's *Gulliver's Travels*; Gray's *Elegy*; Miss Austen's *Pride and Prejudice*; Scott's *Rob Roy* and *Marmion*.

In 1890: Shakspeare's *Julius Caesar* and *Midsummer Night's Dream*; Macaulay's *Life of Johnson* and *Essay on Boswell's Life of Johnson*; Carlyle's *Essay on Boswell's Life of Johnson*; Johnson's *Vanity of Human Wishes*; Goldsmith's *Vicar of Wakefield* and *Deserted Village*; Dobson's *Eighteenth Century Essays*; Scott's *Quentin Durward*; Macaulay's *Lays of Ancient Rome*.

## II. COURSE IN LETTERS AND SCIENCE.

The requirements for admission are the same as in the Course in Arts, with the omission of Greek, Cicero's Orations, and extempore Latin translation.

NOTE.—After 1888, the requirements for admission in this course will be the same as in the Course in Arts, with the omission of Greek and extempore Latin translation.

## III. COURSE IN SCIENCE.

Candidates for the Course in Science are examined in the same subjects as those for the Course in Arts, except Greek, Cicero's Orations, and extempore Latin. They are further examined in Algebra as far as the Theory of Equations, in the Geometry of Space, in Plane Trigonometry with its applications to Surveying and Navigation, and in Trench's *Study of Words* and *English Past and Present*.

NOTE.—After 1888, candidates for this Course will be examined in Mathematics and in English as for the Course in Arts, with the addition of Algebra from Progressions to the Theory of Equations, the Geometry of Space, and Plane Trigonometry, and Trench's *Study of Words* (Supplée's edition); also in the History of the United States, and in six books of Caesar's Gallic War (or three books of Caesar and three books of Virgil's Aeneid), together with Latin Grammar and the elements of Latin Composition.

## IV. COURSE IN LETTERS.

The requirements for admission are the same as in the Course in Arts, with the omission of Greek.

Copies of papers used at the Examinations in 1887 are printed at the end of this Catalogue.



## EXAMINATIONS FOR ADMISSION.

Two Examinations for Admission are held at the College in each year: the first at the end of June, in Commencement Week; and the second in September, immediately before the beginning of Christmas Term.

In 1888 the order of examinations will be as follows:

JUNE.	SEPTEMBER.
Monday, June 25th, 2 P. M., Greek.	Tuesday, September 18th, 8½ A. M., Greek; 2 P. M., Algebra.
Tuesday, June 26th, 8½ A. M., Algebra; 2 P. M., Latin.	Wednesday, September 19th, 8½ A. M., Latin; 2 P. M., Arithmetic and Geometry.
Wednesday, June 27th, 8½ A. M., Arithmetic and Geometry; 2 P. M., English.	Thursday, September 20th, 8½ A. M., English.

Candidates are required to present themselves at the hours specified for the beginning of the examinations.

Examinations for admission will also be held on the specified days of June in New York, Philadelphia, Pittsburgh, Chicago, and San Francisco, and in other places, due notice of which will be given.

Candidates are allowed to divide the examinations and to pass a portion of the requirements a year before they propose to enter; except that no candidate is examined in advance on the whole of the requirements in any department.

No candidate can be admitted to the College before he has completed his fifteenth year.

Applicants for admission to any of the higher classes must sustain, besides the examination for admission to the College, a further examination on the studies already pursued by the class which they propose to enter.

All candidates for admission must bring testimonials of good moral character; and those who are from other Colleges must produce certificates of dismissal in good standing. These testimonials and certificates should be presented at the time of the examinations.

Candidates for admission to the Freshman Class, presenting certificates from certain schools which have courses of instruction approved by the Faculty, are admitted without examination on the studies covered by the certificates.

## SCHEMES OF STUDY IN THE FOUR COURSES.

The following schedules show the studies of the several terms, and the number of hours a week assigned to each department of instruction.

The first recitation on Monday morning throughout the College course is devoted to religious studies. These comprise the following subjects: The New Testament in Greek; Old and New Testament History and Biblical Literature; Natural Theology; the Foundations of Religious Belief; the Evidences of Christianity; the Historical Coincidences and Evidences of the Holy Scriptures.

In addition to the religious studies, the Freshmen and the Sophomores are assigned fifteen hours of attendance upon prescribed studies in each week. The Juniors and the Seniors, with some exceptions in the scientific courses, are assigned fewer hours of attendance upon prescribed studies, and are required to choose electives in order to complete at least the number of fifteen hours in each week. The arrangement of the hours of attendance necessarily places limits to the choice of electives; but within these limits the students may choose from the elective studies of any term such as they desire, subject to the approval of the Faculty. Students are required to signify their choice of electives for any term before the close of the preceding term.

It will be observed that one-fourth of the work in the last two years of the course in Arts is in elective studies; in the other courses the ratio of elective to prescribed work is different in different terms.

Students are allowed to pass from one course to another at the beginning of any term, provided they have satisfied all their former examinations.



## I. COURSE IN ARTS.

FOR THE DEGREE OF BACHELOR OF ARTS.

## FRESHMAN YEAR.

## CHRISTMAS TERM.

*Greek* (5 hours a week). Homer: *Odyssey*; three books. History.*Latin* (5 hours). Cicero: *De Senectute*. Livy: Book I. Latin Composition.*Mathematics* (5 hours). Algebra: Undetermined Coefficients, Series, Binomial Theorem, Logarithms, Theory of Equations. Geometry of Space.

## TRINITY TERM.

*English* (2 hours). Study of Words (Trench). History of the English Language (Lounsbury).*Greek* (4 hours). Homer: *Odyssey*; two Books. Herodotus. Greek Composition. History. History of Literature.*Latin* (4 hours). Horace: *Satires*, *Odes*, and *Epodes*. Pliny: *Epistles* (extempore translation). Latin Composition.*Mathematics* (5 hours). Plane and Spherical Trigonometry. Surveying, with field-practice. Navigation.*Elocution*. Exercise in Voice-Building and Articulation.

## SOPHOMORE YEAR.

## CHRISTMAS TERM.

*English* (2 hours). Genung's *Rhetoric*. Ten Lectures on Argumentative Discourse. Themes.*French* (3 hours). Grammar, to the Irregular Verb (Keetels). *Les Prosateurs français* (Roche), begun.*Greek* (4 hours). Euripides: *The Bacchantes*. History. History of the Drama.*Latin* (4 hours). Tacitus: *Germania* and *Agricola*. History.*Mathematics* (2 hours). Analytic Geometry. Lectures on the Transcendental and Higher Curves.

## TRINITY TERM.

*Botany* (3 hours, second half of term). Elementary Botany (Gray).*English* (1 hour). Genung's *Rhetoric*, finished. Minto's *Manual*. Eight Lectures on Narrative Discourse. Analysis of Prose Style. Themes and Oral Discussions.*French* (2 hours). Grammar, finished. *Les Prosateurs français*, continued. Lectures on the Language and its Literature.

## COURSE IN ARTS.

*Greek* (3 hours). Plato: Apology. Demosthenes: Popular Orations. Theocritus. History. History of Literature.

*Latin* (3 hours). Selections from Latin Poets: Catullus, Tibullus, Propertius, Ovid, Lucan (with extempore translation). Virgil: Eclogues. History of Roman Literature.

*Mechanics* (3 hours, first half of term). Analytical Mechanics (Peck). Recitations and Lectures.

*Physics* (3 hours, second half of term). Experimental Lectures on the Physics of Solids, Liquids, and Gases; Lectures on Acoustics (Ganot).

*Zoology* (3 hours, first half of term). Recitations in Packard's Zoology, with lectures illustrated by a suite of skeletons of modern animals and by specimens in alcohol.

*Elocution*. Exercises in Expression and Gesture.

## JUNIOR YEAR.

## CHRISTMAS TERM.

*Chemistry* (3 hours). Experimental Lectures on Non-metals and Metals (Stoddard's Outlines of Lecture-notes). History of Chemistry.

*English* (2 hours). History of the English Language (Craik). Essays on literary subjects. Lectures on English Poetry.

*German* (4 hours). Grammar, through the Irregular Verb (Cook's Otto), with selected Ballads. Bilderbuch ohne Bilder (Andersen).

*Physics* (2 hours). Experimental Lectures on Heat and Optics (Ganot).

## ELECTIVE STUDIES.

*Anthropology* (2 hours). Outline Study of Man (Hopkins). Lectures.

*Biology* (2 hours). Actual dissections of marine invertebrata, insecta, batrachia, etc. (Huxley and Martin's Elementary Biology; Brooks's Handbook of Invertebrate Zoology). Essays on select subjects.

*Greek* (2 hours). Plato: Phaedo. Greek Composition.

*History* (2 hours). Outlines of English History.

*Latin* (2 hours). Tacitus: selections from the Annals and the Histories. History. [Alternately with Senior elective.]

*Mathematics* (4 hours). Elements of Differential and Integral Calculus.

## TRINITY TERM.

*Astronomy* (2 hours). Mathematical and Descriptive Astronomy. Lectures.

*English* (1 hour). History of English Literature (Shaw). Essays and Orations. Lectures on Representative Authors and on American Literature.



## COURSE IN ARTS.

*German* (3 hours). Grammar, finished. Reader of German Literature (Rosenstengel): Lyric poems and Ballads. Wilhelm Tell (Schiller). Lectures on the Language and its Literature.

*Physics* (2 hours). Experimental Lectures on Magnetism, Electrostatics, and Electrodynamics.

*Political Science* (2 hours). Elements of Political Economy.

## ELECTIVE STUDIES.

*Chemistry* (2 hours). Lectures on Organic Chemistry. Stoichiometrical Exercises. Lectures on Analytical Chemistry.

*Chemistry* (4 hours). Laboratory practice: Exercises in Synthetical and Analytical Chemistry.

*English* (2 hours). Lanier on the English Novel. Taine's English Literature.

*Ethics* (2 hours). Haven's Moral Philosophy.

*French* (2 hours). Tableaux de la Révolution française (Crane and Brun, editors). Reading at sight. Themes.

*Greek* (2 hours). Euripides: Ion. Homer: Iliad. Lucian (read at sight).

*History* (2 hours). History of the United States.

*Latin* (2 hours). Horace: Epistles. Lucretius. Early Latin. Quintilian (at sight). [Alternately with Senior elective.]

## SENIOR YEAR.

## CHRISTMAS TERM.

*English* (1 hour). Philosophy of Literature (Bascom). Six Lectures on Forms of Verse. Essays and Orations.

*Geology* (2 hours). Lectures on Local Geology (Dana's Text-book of Geology). Field excursions.

*History* (5 hours). History of Modern Europe. Lectures on the History of Mediæval Europe.

*Metaphysics* (3 hours). Hamilton's Metaphysics (Bowen). Cousin (Henry). Logic.

## ELECTIVE STUDIES.

*English* (2 hours). Critical reading of Shakspeare: Hamlet, King Lear (Rolfe). Lectures on Shakspearian Criticism.

*Ethics* (4 hours). Whewell's Elements of Morality. Plutarch on the Divine Justice. Lectures.

*German* (2 hours). Modern Comedy and Romance: Eigensinn (Benedix), Einer muss heirathen (Wilhelmi), Das Wirthshaus zu Cransac (Zschokke). Prose selections. Reading at sight.

*Greek* (2 hours). Aeschylus: Prometheus. Greek Composition.

## COURSE IN ARTS.

*Latin* (2 hours). Cicero or Seneca: Philosophical Writings. [Alternately with Junior elective.]

*Mineralogy* (2 hours). Crystallography, with identification of models. Lectures on Descriptive Mineralogy; Conferences in Determinative Mineralogy (Dana's Manual).

*Physics* (2 hours). Lectures on Advanced Physics.

*Physics* (4 hours). Laboratory work: Physical measurements. Leitfaden der praktischen Physik (Kohlrausch).

*Political Science* (2 hours). Political Economy. Discussion of Economic Problems.

## TRINITY TERM.

*English* (1 hour). Philosophy of Literature (Bascom), finished. Lectures and Orations.

*Ethics* (3 hours). Butler's Analogy. Lectures. Butler's Sermons on Human Nature. Wayland's Moral Philosophy.

*Metaphysics* (3 hours). Psychology, Human and Comparative (Wilson). Logic (Jevons, Wilson).

*Political Science* (4 hours). History of the English Constitution. History of the Constitution of the United States. American Local Institutions. Lectures on Modern European Constitutions.

## ELECTIVE STUDIES.

*Astronomy* (2 hours). Selections from Chauvenet's Spherical and Practical Astronomy. Exercises in Computation. Practice in the adjustment and use of the Transit Instrument and Equatorial Telescope, etc.

*Chemistry* (4 hours). Laboratory practice: Qualitative and Quantitative Analysis.

*English* (2 hours). Shakspeare, his Mind and Art (Dowden). Mulford's The Nation.

*Ethics* (2 hours). Whewell's History of Moral Philosophy.

*French* (2 hours). Selections from the Modern Drama. Les Poètes français (Roche). French Prosody (De Banville). Reading at sight.

*Greek* (2 hours). Euripides: Ion. Homer: Iliad. Lucian (read at sight).

*History* (2 hours). Philosophy of History (Guizot or Schlegel).

*Latin* (2 hours). Persius and Juvenal: Satires. Early Latin. Quintilian (at sight). [Alternately with Junior elective.]

*Metaphysics* (2 hours). Intuitions of the Mind (McCosh).

*Physics* (4 hours). Laboratory work: Physical measurements. Leitfaden der praktischen Physik (Kohlrausch).



## II. COURSE IN LETTERS AND SCIENCE.

FOR THE DEGREE OF BACHELOR OF SCIENCE.

### FRESHMAN YEAR.

#### CHRISTMAS TERM.

*French* (3 hours a week). Grammar, to the Irregular Verb (Keetels). *Les Prosateurs français* (Roche), begun.

*History* (2 hours). Outlines of English History.

*Latin* (5 hours). Cicero: De Senectute. Livy: Book I. Latin Composition.

*Mathematics* (5 hours). Algebra: Undetermined Coefficients, Series, Binomial Theorem, Logarithms, Theory of Equations. Geometry of Space.

#### TRINITY TERM.

*English* (2 hours). Study of Words (Trench). History of the English Language (Lounsbury).

*French* (2 hours). Grammar, finished. *Les Prosateurs français*, continued. Lectures on the Language and its Literature.

*History* (2 hours). History of the United States (Eliot).

*Latin* (4 hours). Horace: Satires, Odes, and Epodes. Pliny: Epistles (extempore translation). Latin Composition.

*Mathematics* (5 hours). Plane and Spherical Trigonometry. Surveying, with field-practice. Navigation.

*Elocution*. Exercises in Voice-building and Articulation.

### SOPHOMORE YEAR.

#### CHRISTMAS TERM.

[Fourteen hours required.]

*Anthropology* (2 hours). Outline Study of Man (Hopkins). Lectures.

*English* (2 hours). Genung's Rhetoric. Ten Lectures on Argumentative Discourse. Themes.

*German* (4 hours). Grammar, through the Irregular Verb (Cook's Otto), with selected Ballads. Bilderbuch ohne Bilder (Andersen).

*Latin* (4 hours). Tacitus: Germania and Agricola. History.

*Mathematics* (2 hours). Analytic Geometry. Lectures on the Transcendental and Higher Curves.

#### TRINITY TERM.

*Botany* (3 hours, second half of term). Elementary Botany (Gray).

*English* (1 hour). Genung's Rhetoric, finished. Minto's Manual. Eight Lectures on Narrative Discourse. Analysis of Prose Style. Themes and Oral Discussions.

## COURSE IN LETTERS AND SCIENCE.

*French* (2 hours). Tableaux de la Révolution française (Crane and Brun, editors). Reading at sight. Conversation. Themes.

*German* (3 hours). Grammar, finished. Reader of German Literature (Rosenstengel): Lyric poems and Ballads. Wilhelm Tell (Schiller). Lectures on the Language and its Literature.

*Latin* (3 hours). Selections from Latin Poets: Catullus, Tibullus, Propertius, Ovid, Lucan (with extempore translation). Virgil: Eclogues. History of Roman Literature.

*Mechanics* (3 hours, first half of term). Analytical Mechanics (Peck). Recitations and Lectures.

*Physics* (3 hours, second half of term). Experimental Lectures on the Physics of Solids, Liquids, and Gases; Lectures on Acoustics (Ganot).

*Zoology* (3 hours, first half of term). Recitations in Packard's Zoology, with lectures illustrated by a suite of skeletons of modern animals and by specimens in alcohol.

*Elocution*. Exercises in Expression and Gesture.

## JUNIOR YEAR.

## CHRISTMAS TERM.

*Biology* (2 hours). Actual dissections of marine invertebrata, insecta, batrachia, etc. (Huxley and Martin's Elementary Biology; Brooks's Handbook of Invertebrate Zoology). Essays on select subjects.

*Chemistry* (3 hours). Experimental Lectures on Non-metals and Metals (Stoddard's Outline of Lecture-notes). History of Chemistry. Thesis: "Aluminium."

*English* (2 hours). History of the English Language (Craik). Essays on literary subjects. Lectures on English Poetry.

*Mathematics* (4 hours). Elements of Differential and Integral Calculus.

*Physics* (2 hours). Experimental Lectures on Heat and Optics (Ganot).

## ELECTIVE STUDIES.

*English* (2 hours). Critical reading of Shakspeare; Hamlet, King Lear (Rolfe). Lectures on Shakspearian Criticism.

*Ethics* (4 hours). Whewell's Elements of Morality. Plutarch on the Divine Justice. Lectures.

*German* (2 hours). Modern Comedy and Romance: Eigensinn (Benedix), Einer muss heirathen (Wilhelmi), Das Wirthshaus zu Cransac (Zschokke). Prose Selections. Reading at sight.

## TRINITY TERM.

*Astronomy* (3 hours). Mathematical and Descriptive Astronomy. Lectures.

*Chemistry* (2 hours). Lectures on Organic Chemistry. Stoichiometrical Exercises. Lectures on Analytical Chemistry.



## COURSE IN LETTERS AND SCIENCE.

*Chemistry* (4 hours). Laboratory practice: Exercises in Synthetical and Analytical Chemistry. Reports on Chemical processes.

*Physics* (2 hours). Experimental Lectures on Magnetism, Electrostatics, and Electrodynamics.

*Political Science* (2 hours). Elements of Political Economy.

## ELECTIVE STUDIES.

*English* (2 hours). Lanier on the English Novel. Taine's English Literature.

*Ethics* (2 hours). Marcus Aurelius. Lectures.

*Latin* (2 hours). Horace: Epistles. Lucretius. Early Latin. Quintilian (at sight). [Alternately with Senior elective.]

## SENIOR YEAR.

## CHRISTMAS TERM.

*English* (1 hour). Philosophy of Literature (Bascom). Six Lectures on Forms of Verse. Essays and Orations.

*Geology* (2 hours). Lectures on Local Geology (Dana's Text-book of Geology). Field excursions.

*History* (3 hours). History of Modern Europe.

*Metaphysics* (3 hours). Hamilton's Metaphysics (Bowen). Cousin (Henry). Logic.

*Physics* (2 hours). Lectures on Advanced Physics.

*Physics* (4 hours). Laboratory Work: Physical Measurements. Leitfaden der praktischen Physik (Kohlrausch).

## ELECTIVE STUDY.

*Mineralogy* (2 hours). Crystallography, with identification of models. Lectures on Descriptive Mineralogy; Conferences in Determinative Mineralogy (Dana's Manual).

## TRINITY TERM.

*English* (1 hour). Philosophy of Literature (Bascom), finished. Lectures and Orations.

*Ethics* (3 hours). Butler's Analogy. Lectures. Butler's Sermons on Human Nature. Wayland's Moral Philosophy.

*Metaphysics* (3 hours). Psychology, Human and Comparative (Wilson). Logic (Jevons, Wilson).

*Physics* (4 hours). Laboratory work: Physical Measurements. Leitfaden der praktischen Physik (Kohlrausch).

*Political Science* (4 hours). History of the English Constitution. History of the Constitution of the United States. American Local Institutions. Lectures on Modern European Constitutions.

## COURSE IN LETTERS AND SCIENCE.

## ELECTIVE STUDIES.

*Astronomy* (2 hours). Selections from Chauvenet's Spherical and Practical Astronomy. Exercises in Computation. Practice in the adjustment and use of the Transit Instrument and Equatorial Telescope, etc.

*English* (2 hours). Shakspeare, his Mind and Art (Dowden). Mulford's The Nation.

*Ethics* (2 hours). Adam Smith's Moral Sentiments.

*French* (2 hours). Selections from the Modern Drama. Les Poètes français (Roche). French Prosody (De Banville). Reading at sight.

*History* (2 hours). Philosophy of History (Guizot or Schlegel).

*Latin* (2 hours). Persius and Juvenal: Satires. Early Latin. Quintilian (at sight). [Alternately with Junior elective.]

*Metaphysics* (2 hours). Intuitions of the Mind (McCosh).



### III. COURSE IN SCIENCE.

FOR THE DEGREE OF BACHELOR OF SCIENCE.

#### SOPHOMORE YEAR.

##### CHRISTMAS TERM.

*English* (2 hours a week). Genung's Rhetoric. Ten Lectures on Argumentative Discourse. Themes.

*French* (3 hours). Grammar, to the Irregular Verb (Keetels). Les Prosateurs français (Roche), begun.

*German* (4 hours). Grammar, through the Irregular Verb (Cook's Otto), with selected Ballads. Bilderbuch ohne Bilder (Andersen).

*History* (2 hours). Outlines of English History.

*Mathematics* (4 hours). Spherical Trigonometry. Surveying, with field-practice. Navigation. Analytic Geometry. Lectures on the Transcendental and Higher Curves.

##### TRINITY TERM.

[Sixteen hours required.]

*Botany* (3 hours, second half of term). Elementary Botany (Gray).

*English* (1 hour). Genung's Rhetoric, finished. Minto's Manual. Eight Lectures on Narrative Discourse. Analysis of Prose Style. Themes and Oral Discussions.

*Ethics* (2 hours). Haven's Moral Philosophy.

*French* (2 hours). Grammar, finished. Les Prosateurs français, continued. Lectures on the Language and its Literature.

*German* (3 hours). Grammar, finished. Reader of German Literature (Rosenstengel): Lyric poems and Ballads. Wilhelm Tell (Schiller). Lectures on the Language and its Literature.

*History* (2 hours). History of the United States.

*Mechanics* (3 hours, first half of term). Analytical Mechanics (Peck). Recitations and Lectures.

*Physics* (3 hours, second half of term). Experimental Lectures on the Physics of Solids, Liquids, and Gases; Lectures on Acoustics (Ganot).

*Zoology* (3 hours, first half of term). Recitations in Packard's Zoology, with lectures illustrated by a suite of skeletons of modern animals and by specimens in alcohol.

*Elocution*. Exercises in Expression and Gesture.

#### JUNIOR YEAR.

##### CHRISTMAS TERM.

*Biology* (2 hours). Actual dissections of marine invertebrata, insecta, batrachia, etc. (Huxley and Martin's Elementary Biology; Brooks's Handbook of Invertebrate Zoology). Essays on select subjects.

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COURSE IN SCIENCE.

*Chemistry* (3 hours). Experimental Lectures on Non-metals and Metals (Stoddard's Outlines of Lecture-notes). History of Chemistry. Thesis: "Aluminium."

*English* (2 hours). History of the English Language (Craik). Essays on literary subjects. Lectures on English Poetry.

*German* (2 hours). Modern Comedy and Romance: Eigensinn (Benedix), Einer muss heirathen (Wilhelmi), Das Wirthshaus zu Cransac (Zschokke). Prose Selections. Reading at sight.

*Mathematics* (4 hours). Elements of Differential and Integral Calculus.

*Physics* (2 hours). Experimental Lectures on Heat and Optics (Ganot).

TRINITY TERM.

[Sixteen hours required.]

*Astronomy* (3 hours). Mathematical and Descriptive Astronomy. Lectures.

*Chemistry* (2 hours). Lectures on Organic Chemistry. Stoichiometrical Exercises. Lectures on Analytical Chemistry.

*Chemistry* (4 hours). Laboratory practice: Exercises in Synthetical and Analytical Chemistry. Reports on Chemical Processes.

*English* (1 hour). History of English Literature (Shaw). Essays and Orations. Lectures on Representative Authors and on American Literature.

*French* (2 hours). Tableaux de la Révolution française (Crane and Brun, editors). Reading at sight. Themes.

*Physics* (2 hours). Experimental Lectures on Magnetism, Electrostatics, and Electrodynamics.

*Political Science* (2 hours). Elements of Political Economy.

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SENIOR YEAR.

CHRISTMAS TERM.

*Geology* (2 hours). Lectures on Local Geology (Dana's Text-Book of Geology). Field excursions.

*History* (2 hours). Lectures on the History of Mediaeval Europe.

*Metaphysics* (3 hours). Hamilton's Metaphysics (Bowen). Cousin (Henry). Logic.

*Mineralogy* (2 hours). Crystallography, with identification of models. Lectures on Descriptive Mineralogy; Conferences in Determinative Mineralogy (Dana's Manual).

*Physics* (2 hours). Lectures on Advanced Physics.

*Physics* (4 hours). Laboratory work: Physical measurements. Leitfaden der praktischen Physik (Kohlrausch).



COURSE IN SCIENCE.

TRINITY TERM.

*English* (1 hour). Philosophy of Literature (Bascom). Lectures and Orations.

*Ethics* (3 hours). Butler's Analogy. Lectures. Butler's Sermons on Human Nature. Wayland's Moral Philosophy.

*Metaphysics* (3 hours). Psychology, Human and Comparative (Wilson). Logic (Jevons, Wilson).

*Physics* (4 hours). Laboratory work: Physical measurements. Leitfaden der praktischen Physik (Kohlrausch).

*Political Science* (4 hours). History of the English Constitution. History of the Constitution of the United States. American Local Institutions. Lectures on Modern European Constitutions.

ELECTIVE STUDIES.

*Astronomy* (2 hours). Selections from Chauvenet's Spherical and Practical Astronomy. Exercises in Computation. Practice in the adjustment and use of the Transit Instrument and Equatorial Telescope, etc.

*English* (2 hours). Shakspeare, his Mind and Art (Dowden). Mulford's The Nation.

*Ethics* (2 hours). Whewell's History of Moral Philosophy.

*French* (2 hours). Selections from the Modern Drama. Les Poètes français (Roche). French Prosody (De Banville). Reading at sight.

*History* (2 hours). Philosophy of History (Guizot or Schlegel).

*Metaphysics* (2 hours). Intuitions of the Mind (McCosh).

## IV. COURSE IN LETTERS.

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### FRESHMAN YEAR.

#### CHRISTMAS TERM.

*French* (3 hours a week). Grammar, to the Irregular Verb (Keetels). Les Prosateurs français (Roche), begun.

*History* (2 hours). Outlines of English History.

*Latin* (5 hours). Cicero: De Senectute. Livy: Book I. Latin Composition.

*Mathematics* (5 hours). Algebra: Undetermined Coefficients, Series, Binomial Theorem, Logarithms, Theory of Equations. Geometry of Space.

#### TRINITY TERM.

*English* (2 hours). Study of Words (Trench). History of the English Language (Lounsbury).

*French* (2 hours). Grammar, finished. Les Prosateurs français, continued. Conversation. Lectures on the Language and its Literature.

*History* (2 hours). History of the United States.

*Latin* (4 hours). Horace: Satires, Odes, and Epodes. Pliny: Epistles (extempore translation). Latin Composition.

*Mathematics* (5 hours). Plane and Spherical Trigonometry. Surveying, with field-practice. Navigation.

*Elocution*. Exercises in Voice-building and Articulation.

### SOPHOMORE YEAR.

#### CHRISTMAS TERM.

[Fourteen hours required.]

*Anthropology* (2 hours). Outline Study of Man (Hopkins). Lectures.

*English* (2 hours). Genung's Rhetoric. Ten Lectures on Argumentative Discourse. Themes.

*German* (4 hours). Grammar, through the Irregular Verb (Cook's Otto), with selected Ballads. Bilderbuch ohne Bilder (Andersen).

*Latin* (4 hours). Tacitus: Germania and Agricola. History.

*Mathematics* (2 hours). Analytic Geometry. Lectures on the Transcendental and Higher Curves.

#### TRINITY TERM.

*Botany* (3 hours, second half of term). Elementary Botany (Gray).

*English* (1 hour). Genung's Rhetoric, finished. Minto's Manual. Eight Lectures on Narrative Discourse. Analysis of Prose Style. Themes and Oral Discussions.

*French* (2 hours). Tableaux de la Révolution française (Crane and Brun, editors). Reading at sight. Themes.



## COURSE IN LETTERS.

*German* (3 hours). Grammar, finished. Reader of German Literature (Rosenstengel): Lyric poems and Ballads. Wilhelm Tell (Schiller). Lectures on the Language and its Literature.

*Latin* (3 hours). Selections from Latin Poets: Catullus, Tibullus, Propertius, Ovid, Lucan (with extempore translation). Virgil: Eclogues. History of Roman Literature.

*Mechanics* (3 hours, first half of term). Analytical Mechanics (Peck). Recitations and Lectures.

*Physics* (3 hours, second half of term). Experimental Lectures on the Physics of Solids, Liquids, and Gases; Lectures on Acoustics (Ganot).

*Zoology* (3 hours, first half of term). Recitations in Packard's Zoology, with lectures illustrated by a suite of skeletons of modern animals and by specimens in alcohol.

*Elocution*. Exercises in Expression and Gesture.

## JUNIOR YEAR.

## CHRISTMAS TERM.

*Chemistry* (3 hours). Experimental lectures on Non-metals and Metals (Stoddard's Outlines of Lecture-notes). History of Chemistry.

*English* (2 hours). History of the English Language (Craik). Essays on literary subjects. Lectures on English Poetry.

*English* (2 hours). Critical reading of Shakspeare: Hamlet, King Lear (Rolfe). Lectures on Shakspearian Criticism.

*German* (2 hours). Modern Comedy and Romance: Eigensinn (Benedix), Einer muss heirathen (Wilhelmi), Das Wirthshaus zu Cransac (Zschokke). Prose Selections. Reading at sight.

*Physics* (2 hours). Experimental Lectures on Heat and Optics (Ganot).

## ELECTIVE STUDIES.

*Biology* (2 hours). Actual dissections of marine invertebrata, insecta, batrachia, etc. (Huxley and Martin's Elementary Biology: Brooks's Handbook of Invertebrate Zoology). Essays on select subjects.

*Latin* (2 hours). Tacitus: Selections from the Annals and the Histories. History. [Alternately with Senior elective.]

*Mathematics* (4 hours). Elements of Differential and Integral Calculus.

## TRINITY TERM.

[Fourteen hours required.]

*Astronomy* (3 hours). Mathematical and Descriptive Astronomy. Lectures.

*English* (1 hour). History of English Literature (Shaw). Essays and Orations. Lectures on Representative Authors and on American Literature.

COURSE IN LETTERS.

*French* (2 hours). Selections from the Modern Drama. Les Poètes français (Roche). French Prosody (De Banville). Old French. Reading at sight.

*Physics* (2 hours). Experimental Lectures on Magnetism, Electrostatics, and Electrodynamics.

*Political Science* (2 hours). Elements of Political Economy.

ELECTIVE STUDIES.

*English* (2 hours). Lanier on the English Novel. Taine's English Literature.

*Ethics* (2 hours). Marcus Aurelius. Lectures.

*Latin* (2 hours). Horace: Epistles. Lucretius. Early Latin. Quintilian (at sight). [Alternately with Senior elective.]

SENIOR YEAR.

CHRISTMAS TERM.

*English* (1 hour). Philosophy of Literature (Bascom). Six Lectures on Forms of Verse. Essays and Orations.

*Geology* (2 hours). Lectures on Local Geology (Dana's Text-book of Geology). Field excursions.

*History* (5 hours). History of Modern Europe. Lectures on the History of Mediæval Europe.

*Metaphysics* (3 hours). Hamilton's Metaphysics (Bowen). Cousin (Henry). Logic.

ELECTIVE STUDIES.

*Ethics* (4 hours). Whewell's Elements of Morality. Plutarch on the Divine Justice. Lectures.

*Latin* (2 hours). Cicero or Seneca: Philosophical Writings. [Alternately with Junior Elective.]

*Physics* (2 hours). Lectures on Advanced Physics.

*Political Science* (2 hours). Political Economy. Discussion of Economic Problems.

TRINITY TERM.

*English* (1 hour). Philosophy of Literature (Bascom), finished. Lectures and Orations.

*Ethics* (3 hours). Butler's Analogy. Lectures. Butler's Sermons on Human Nature. Wayland's Moral Philosophy.

*Metaphysics* (3 hours). Psychology, Human and Comparative (Wilson). Logic (Jevons, Wilson).



COURSE IN LETTERS.

*Political Science* (4 hours). History of the English Constitution. History of the Constitution of the United States. American Local Institutions. Lectures on Modern European Constitutions.

ELECTIVE STUDIES.

*Astronomy* (2 hours). Selections from Chauvenet's Spherical and Practical Astronomy. Exercises in Computation. Practice in the adjustment and use of the Transit Instrument and Equatorial Telescope, etc.

*English* (2 hours). Shakspeare, his Mind and Art (Dowden). Mulford's The Nation.

*Ethics* (2 hours). Adam Smith's Moral Science.

*History* (2 hours). Philosophy of History (Guizot or Schlegel).

*Latin* (2 hours). Persius and Juvenal: Satires. Early Latin. Quintilian (at sight). [Alternately with Junior elective.]

*Metaphysics* (2 hours). Intuitions of the Mind (McCosh).

# COURSE IN ARTS.

## HOURS OF ATTENDANCE.

### CHRISTMAS TERM.

#### FRESHMEN.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½-9½	Rel. Studies.	Greek.	Greek.	Latin.	Greek.	Mathematics.
9½-10½	Latin.	Latin.	Latin.	Greek.	Latin.	
12-1	Greek.	Mathematics.	Mathematics.	Mathematics.	Mathematics.	

#### SOPHOMORES.

8½-9½	Rel. Studies.	French.	Latin.	Greek.	French.	English.
9½-10½	Greek.	Greek.	Mathematics.	French.	Mathematics.	
12-1	Latin.	Latin.	English.	Latin.	Greek.	

#### JUNIORS.

8½-9½	Rel. Studies.	English.	Physics.	German.	English.	Physics.
9½-10½	German.	German.	Chemistry.	Chemistry.	Chemistry.	
11-12	<i>Calculus.</i>	<i>Calculus.</i>	<i>Calculus.</i>	<i>Calculus.</i>		
	<i>History.</i>	<i>Anthropology.</i>	<i>History.</i>	<i>Anthropology.</i>		
12-1	<i>Latin.</i>	<i>Greek.</i>	<i>Latin.</i>	<i>Greek.</i>	*German.	
2-4			<i>Biology.</i>			

#### SENIORS.

8½-9½	Rel. Studies.	History.	Metaphysics.	English.	Metaphysics.	Metaphysics.
9½-10½	History.	Geology.	History.	History.	*History.	
11-12	<i>Latin.</i>	<i>Greek.</i>	<i>Latin.</i>	<i>Greek.</i>		
		<i>Physics.</i>		<i>Physics.</i>		
12-1	<i>Pol. Science.</i>	<i>Pol. Science.</i>	<i>Pol. Science.</i>	<i>Pol. Science.</i>		
	<i>Ethics.</i>	<i>Ethics.</i>	<i>Ethics.</i>	<i>Ethics.</i>		
2-4	<i>German.</i>	<i>English.</i>	<i>German.</i>	<i>English.</i>	Geology.	
	<i>Mineralogy.</i>	<i>Pract. Physics.</i>		<i>Pract. Physics.</i>		

### TRINITY TERM.

#### FRESHMEN.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½-9½	Rel. Studies.	Latin.	English.	Latin.	Latin.	English.
9½-10½	Latin.	Greek.	Mathematics.	Greek.	Mathematics.	
12-1	Mathematics.	Mathematics.	Greek.	Mathematics.	Greek.	

#### SOPHOMORES.

8½-9½	Rel. Studies.	Mechanics.	Nat. History.	Mechanics.	Nat. History.	Mechanics.
9½-10½	Greek.	Nat. History.	Greek.	English.	Greek.	
12-1	Latin.	Latin.	French.	Latin.	French.	

#### JUNIORS.

8½-9½	Rel. Studies.	Astronomy.	Pol. Science.	Astronomy.	English.	Pol. Science.
9½-10½	German.	Physics.	German.	Physics.	*German.	
11-12	<i>Ethics.</i>	<i>History.</i>	<i>Ethics.</i>	<i>History.</i>		
	<i>French.</i>	<i>Latin.</i>	<i>French.</i>	<i>Latin.</i>		
12-1	<i>Greek.</i>	<i>Chemistry.</i>	<i>Greek.</i>	<i>Chemistry.</i>	Astronomy.	
2-4	<i>English.</i>	<i>Pract. Chem.</i>	<i>English.</i>	<i>Pract. Chem.</i>		

#### SENIORS.

8½-9½	Rel. Studies.	Ethics.	Metaphysics.	Ethics.	Metaphysics.	Ethics.
9½-10½	Pol. Science.	Metaphysics.	Pol. Science.	Pol. Science.	English.	
11-12	<i>Astronomy.</i>	<i>Latin.</i>	<i>Astronomy.</i>	<i>Latin.</i>		
	<i>Greek.</i>	<i>Metaphysics.</i>	<i>Greek.</i>	<i>Metaphysics.</i>		
12-1	<i>Ethics.</i>	<i>English.</i>	<i>Ethics.</i>	<i>English.</i>	*Pol. Science.	
	<i>History.</i>	<i>French.</i>	<i>History.</i>	<i>French.</i>		
2-4		<i>Pract. Chem.</i>	<i>Pract. Phys.</i>	<i>Pract. Chem.</i>	<i>Pract. Phys.</i>	

Prescribed Studies in Roman; Elective Studies in *Italic*.

\* Or Lectures in History by Bishop Williams.



# COURSE IN LETTERS AND SCIENCE.

## HOURS OF ATTENDANCE.

### CHRISTMAS TERM.

#### FRESHMEN.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 $\frac{1}{2}$ -9 $\frac{1}{2}$	Rel. Studies.	French.		Latin.	French.	Mathematics.
9 $\frac{1}{2}$ -10 $\frac{1}{2}$	Latin.	Latin.	Latin.	French.	Latin.	
11-12	History.		History.			
12-1		Mathematics.	Mathematics.	Mathematics.	Mathematics.	

#### SOPHOMORES.

8 $\frac{1}{2}$ -9 $\frac{1}{2}$	Rel. Studies.		Latin.	German.		English.
9 $\frac{1}{2}$ -10 $\frac{1}{2}$	German.	German.	Mathematics.		Mathematics.	
11-12		Anthropology.		Anthropology.		
12-1	Latin.	Latin.	English.	Latin.	* German.	

#### JUNIORS.

8 $\frac{1}{2}$ -9 $\frac{1}{2}$	Rel. Studies.	English.	Physics.		English.	Physics.
9 $\frac{1}{2}$ -10 $\frac{1}{2}$			Chemistry.	Chemistry.	Chemistry.	
11-12	Calculus.	Calculus.	Calculus.	Calculus.		
12-1	<i>Ethics.</i>	<i>Ethics.</i>	<i>Ethics.</i>	<i>Ethics.</i>		
2-4	<i>German.</i>	<i>English.</i>	<i>German.</i>	<i>English.</i>		
			Biology.			

#### SENIORS.

8 $\frac{1}{2}$ -9 $\frac{1}{2}$	Rel. Studies.	History.	Metaphysics.	English.	Metaphysics.	Metaphysics.
9 $\frac{1}{2}$ -10 $\frac{1}{2}$	History.	Geology.		History.		
11-12		Physics.		Physics.		
12-1					Geology.	
2-4	<i>Mineralogy.</i>	Pract. Phys.		Pract. Phys.		

### TRINITY TERM.

#### FRESHMEN.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 $\frac{1}{2}$ -9 $\frac{1}{2}$	Rel. Studies.	Latin	English.	Latin.	Latin.	English.
9 $\frac{1}{2}$ -10 $\frac{1}{2}$	Latin.		Mathematics.		Mathematics.	
11-12		History.		History.		
12-1	Mathematics.	Mathematics.	French.	Mathematics.	French.	

#### SOPHOMORES.

8 $\frac{1}{2}$ -9 $\frac{1}{2}$	Rel. Studies.	Mechanics.	Nat. History.	Mechanics.	Nat. History.	Mechanics.
9 $\frac{1}{2}$ -10 $\frac{1}{2}$	German.	Nat. History.	German.	English.	* German.	
11-12	French.		French.			
12-1	Latin.	Latin.		Latin.		

#### JUNIORS.

8 $\frac{1}{2}$ -9 $\frac{1}{2}$	Rel. Studies.	Astronomy.	Pol. Science.	Astronomy.		Pol. Science.
9 $\frac{1}{2}$ -10 $\frac{1}{2}$		Physics.		Physics.		
11-12	<i>Ethics.</i>	<i>Latin.</i>	<i>Ethics.</i>	<i>Latin.</i>		
12-1	<i>English.</i>	Chemistry.	<i>English.</i>	Chemistry.	Astronomy.	
2-4		Pract. Chem.		Pract. Chem.		

#### SENIORS.

8 $\frac{1}{2}$ -9 $\frac{1}{2}$	Rel. Studies.	Ethics.	Metaphysics.	Ethics.	Metaphysics.	Ethics.
9 $\frac{1}{2}$ -10 $\frac{1}{2}$	Pol. Science.	Metaphysics.	Pol. Science.	Pol. Science.	English.	
11-12	<i>Astronomy.</i>	<i>Latin.</i>	<i>Astronomy.</i>	<i>Latin.</i>		
		<i>Metaphysics.</i>		<i>Metaphysics.</i>		
12-1	<i>Ethics.</i>	<i>English.</i>	<i>Ethics.</i>	<i>English.</i>	* Pol. Science.	
2-4	<i>History.</i>	<i>French.</i>	<i>History.</i>	<i>French.</i>	Pract. Phys.	

Prescribed Studies in Roman; Elective Studies in *Italic*.

\* Or Lectures in History by Bishop Williams.

## COURSE IN SCIENCE.

## HOURS OF ATTENDANCE.

## CHRISTMAS TERM.

## SOPHOMORES.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½-9½	Rel. Studies.	French.	Mathematics.	German.	French.	English.
9½-10½	German.	German.	Mathematics.	French.	Mathematics.	
11-12	History.		History.		*German.	
12-1	Mathematics.		English.			

## JUNIORS.

8½-9½	Rel. Studies.	English.	Physics.		English.	Physics.
9½-10½			Chemistry.	Chemistry.	Chemistry.	
11-12	Calculus.	Calculus.	Calculus.	Calculus.		
12-1	German.		German.			
2-4			Biology.			

## SENIORS.

8½-9½	Rel. Studies.		Metaphysics.		Metaphysics.	Metaphysics.
9½-10½		Geology.	History.		History.	
11-12		Physics.		Physics.	Geology.	
12-1						
2-4	Mineralogy.	Pract. Phys.		Pract. Phys.		

## TRINITY TERM.

## SOPHOMORES.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½-9½	Rel. Studies.	Mechanics.	Nat. History.	Mechanics.	Nat. History.	Mechanics.
9½-10½	German.	Nat. History.	German.	English.	*German.	
11-12	Ethics.	History.	Ethics.	History.	French.	
12-1			French.			

## JUNIORS.

8½-9½	Rel. Studies.	Astronomy.	Pol. Science.	Astronomy.	English.	Pol. Science.
9½-10½		Physics.		Physics.		
11-12	French.		French.		Astronomy.	
12-1		Chemistry.		Chemistry.		
2-4		Pract. Chem.		Pract. Chem.		

## SENIORS.

8½-9½	Rel. Studies.	Ethics.	Metaphysics.	Ethics.	Metaphysics.	Ethics.
9½-10½	Pol. Science.	Metaphysics.	Pol. Science.	Pol. Science.	English.	
11-12	<i>Astronomy.</i>	<i>Metaphysics.</i>	<i>Astronomy.</i>	<i>Metaphysics.</i>		
12-1	<i>Ethics.</i>	<i>English.</i>	<i>Ethics.</i>	<i>English.</i>	*Pol. Science.	
2-4	<i>History.</i>	<i>French.</i>	Pract. Phys.	<i>French.</i>	Pract. Phys.	

Prescribed Studies in Roman; Elective Studies in *Italic*.

\*Or Lectures in History by Bishop Williams.



## COURSE IN LETTERS.

## HOURS OF ATTENDANCE.

## CHRISTMAS TERM.

## FRESHMEN.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½-9½	Rel. Studies.	French.		Latin.	French.	Mathematics.
9½-10½	Latin.	Latin.	Latin.	French.	Latin.	
11-12	History.		History.	Mathematics.	Mathematics.	
12-1		Mathematics.	Mathematics.			

## SOPHOMORES.

8½-9½	Rel. Studies.		Latin.	German.		English.
9½-10½	German.	German.	Mathematics.		Mathematics.	
11-12		Anthropology.	Anthropology.	Anthropology.		
12-1	Latin.	Latin.	English.	Latin.	* German.	

## JUNIORS.

8½-9½	Rel. Studies.	English.	Physics.		English.	Physics.
9½-10½			Chemistry.	Chemistry.	Chemistry.	
11-12	<i>Calculus.</i>	<i>Calculus.</i>	<i>Calculus.</i>	<i>Calculus.</i>		
12-1	<i>Latin.</i>		<i>Latin.</i>		English.	
2-4	German.	English.	German.			
			<i>Biology.</i>			

## SENIORS.

8½-9½	Rel. Studies.	History.	Metaphysics.	English.	Metaphysics.	Metaphysics.
9½-10½	History.	Geology.	History.	History.	* History.	
11-12	<i>Latin.</i>	<i>Physics.</i>	<i>Latin.</i>	<i>Physics.</i>		
12-1	<i>Ethics.</i>	<i>Pol. Science.</i>	<i>Ethics.</i>	<i>Pol. Science.</i>	Geology.	
		<i>Ethics.</i>		<i>Ethics.</i>		

## TRINITY TERM.

## FRESHMEN.

Hours.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8½-9½	Rel. Studies.	Latin.	English.	Latin.	Latin.	English.
9½-10½	Latin.		Mathematics.		Mathematics.	
11-12		History.		History.		
12-1	Mathematics.	Mathematics.	French.	Mathematics.	French.	

## SOPHOMORES.

8½-9½	Rel. Studies.	Mechanics.	Nat. History.	Mechanics.	Nat. History.	Mechanics.
9½-10½	German.	Nat. History.	German.	English.	* German.	
11-12	French.		French.			
12-1	Latin.	Latin.		Latin.		

## JUNIORS.

8½-9½	Rel. Studies.	Astronomy.	Pol. Science.	Astronomy.	English.	Pol. Science.
9½-10½		Physics.		Physics.		
11-12	<i>Ethics.</i>	<i>Latin.</i>	<i>Ethics.</i>	<i>Latin.</i>		
12-1	<i>English.</i>	French.	<i>English.</i>	French.	Astronomy.	

## SENIORS.

8½-9½	Rel. Studies.	Ethics.	Metaphysics.	Ethics.	Metaphysics.	Ethics.
9½-10½	Pol. Science.	Metaphysics.	Pol. Science.	Pol. Science.	English.	
11-12	<i>Astronomy.</i>	<i>Metaphysics.</i>	<i>Astronomy.</i>	<i>Metaphysics.</i>		
12-1	<i>Ethics.</i>	<i>Latin.</i>	<i>Ethics.</i>	<i>Latin.</i>	* Pol. Science.	
	<i>History.</i>	<i>English.</i>	<i>History.</i>	<i>English.</i>		

Prescribed Studies in Roman; Elective Studies in *Italic*.

\* Or Lectures in History by Bishop Williams.

## LECTURES.

Besides the lectures given by the Professors in the several departments, the following courses of lectures are delivered each year:—

By Bishop Williams: to the Seniors, on Ancient History and the History of the Holy Roman Empire; to the Juniors, on the History of England and of the United States.

By Dr. Wainwright: to the Seniors, on Anatomy and Physiology.

By Mr. Hamersley: to the Seniors, on the Constitution of the United States.

By Dr. Scudder: to the Freshmen, on Hygiene.

By Dr. Warner: on English Literature.

By Mr. Graves: on the Science of Administration.

## VOLUNTARY STUDIES.

In addition to the regular courses of instruction, arrangements are made for the following courses of special study. The names of undergraduates pursuing voluntary studies in any term are publicly announced at the end of the term.

*Greek.*

SENIORS AND JUNIORS: Aristotle.

SOPHOMORES: Xenophon's Hellenica.

FRESHMEN: Homer.

*History and Political Science.*

SENIORS: Advanced Political Economy.

SENIORS: History of Socialism.

JUNIORS: History of the Renaissance.

*Latin.*

SENIORS AND JUNIORS: Patristic Latin; Quintilian.

SOPHOMORES: Plautus; Terence.

FRESHMEN: Ovid; Cicero de Amicitia.

*Mathematics.*

SENIORS AND JUNIORS: Differential and Integral Calculus.

SOPHOMORES: Analytic Geometry; Quaternions.

FRESHMEN: Higher Algebra; Geometrical Exercises.

*Metaphysics.*

SENIORS: Berkeley's Principles of Knowledge (Krauth); McCosh on the Divine Government; Porter's Human Intellect.



*Modern Languages.*

SOPHOMORES: French: Reading at sight and Conversation.

JUNIORS: German: Reading at sight and Conversation.

SENIORS AND JUNIORS: Italian: Montague's Manual. I Prosatori italiani (Biaggi).

Spanish: Montague's Manual. Libro de lectura, No. 3 (Mantilla).

*Oriental Languages.*

SENIORS AND JUNIORS: Elementary Hebrew Grammar and parts of the Pentateuch.

## RELIGIOUS SERVICES.

The hours of daily Prayers in the College Chapel are 8 o'clock A. M. and 5:30 P. M. The students are required to attend one service a day, but must be present four times a week at the morning service.

On Sundays, the services are at 10:30 A. M. (with Sermon) and 5 P. M. The students attend both Morning and Evening Prayer in the Chapel, unless excused to attend their own places of worship in the city. The Holy Communion is administered every Sunday at a voluntary service at 8:10 o'clock, except on the first Sunday of the month, when the celebration is after Morning Prayer.

## TERMS AND VACATIONS.

The academic year is divided into Christmas term and Trinity term. Christmas term begins about the middle of September, and closes near Christmas. It is followed by the Christmas vacation of two or three weeks.

Trinity term begins in January, at the end of the Christmas vacation, and extends to Commencement-day, which is the last Thursday in June. In this term there is a recess of ten days in April. The Sixty-second Commencement falls on the 28th day of June, 1888.

### MATRICULATION.

Matriculation consists in signing, in the presence of the President and Professors, the following promise:

"I promise to observe the Statutes of Trinity College; to discharge faithfully all scholastic duties imposed upon me; and to maintain and defend all the rights, privileges, and immunities of the College, according to my station and degree in the same."

The time for Matriculation is determined by the Faculty.

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### EXAMINATIONS.

Examinations are held at the close of each term upon all the studies of that term. These examinations are partly oral and partly written.

No student is admitted to examination in any department unless his average mark for the term in that department is at least five on a scale of ten.

When a student is excluded from examination, or fails to pass any examination, he is conditioned, and is required to report himself at the opening of the following term, prepared to pass a special examination.

No student is advanced to the studies of any year until he has passed the examinations of the preceding year.

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### HONORS.

If a student attains in any department throughout a College year an average of nine on a scale of ten in the marks for his recitations, and also an average of nine in the marks for his examinations, it is publicly announced that he has the honor-grade in that department for the year. In case, however, he pursues the studies of a department in any year for one term only, he may attain the honor-grade for that term on the same conditions.

Honors at graduation are conferred in the following branches of study: Astronomy, Chemistry, English, Ethics and Metaphysics, Greek, History and Political Science, Latin, Mathematics, Modern Languages, Natural Science, Physics. In order to be graduated



*cum honore* in any of these branches, a student must have attained the honor-grade in all the studies of that branch throughout his College course, including the electives; except that in Greek, Latin, and Practical Chemistry, the elective studies of one year only are required, and that in no case is it necessary to take more than four hours per week of elective work in any department.

A list of students attaining the honor-grade in any College year is published in the Catalogue of the following year. The names of the members of each graduating class are printed in the next annual Catalogue in the following manner: first, the names of those who have been graduated *cum honore*, with a statement of the branches of study in which they have attained honors; then, the names of the others in alphabetical order.

A student attaining the honor-grade in all his studies throughout the College course is graduated with the title of OPTIMUS.

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#### STANDING AND APPOINTMENTS.

The standing of a student is reckoned from the beginning of Freshman year, and is determined by his scholarship, as shown in recitations and examinations.

At the close of each term a report of the scholarship, attendance, and conduct of each student is transmitted to his parent or guardian.

The aggregate standing attained by each member of a class is published at the beginning of the second term in Junior year and at the end of Senior year. When a student has entered College after the beginning of Freshman year and before the beginning of the second term of Sophomore year, his standing for the term or terms during which he was absent is considered to have the same ratio to the maximum as that which he gains while in residence up to the time of the first publication of his aggregate standing, and, having been once published, is not recomputed. The standing of a student entering later in the course is computed in the same manner, with a deduction of five per cent.

Each student, the sum of whose marks for the entire course is to the maximum attainable in the ratio of at least seven and three-fourths to ten, receives an appointment for Commencement; and the names of students receiving appointments are printed on the

programme in the order of their standing, followed by the names of the rest of the class in alphabetical order.

The first three appointments to speak at Commencement are given according to the aggregate of marks in the entire College course. Not less than two nor more than four other speakers are selected, after competition before a special committee of the Faculty; those members of the class being eligible who, besides receiving appointments for Commencement, have attained a mark of seven and three-fourths on the Theme-writing of the course and a mark of nine on the Graduating Oration.

No appointment is ordinarily assigned to any student who has entered College at or after the beginning of the Senior year.

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#### LIBRARY.

The Library is open on Saturdays from 10 A. M. to 12:30 P. M., and on other week-days from 1:45 to 3 P. M.; and the students are allowed free access to the shelves. It contains over 28,000 volumes, besides 2,250 duplicates and 15,000 unbound pamphlets.

The funds for the increase of the Library are as follows:

The Burgess Fund, founded in 1843 by a gift of \$500 from the Rev. George Burgess, of Hartford, afterwards Bishop of Maine.

The Elton Fund, founded in 1854 by a gift of \$5,000 from John P. Elton, Esq., of Waterbury.

The Sheffield Fund, founded in 1856 by a gift of \$5,000 from Joseph E. Sheffield, Esq., of New Haven.

The Peters Fund, founded in 1858 by a legacy of \$2,000 from the Hon. John S. Peters, LL.D., of Hebron.

The Alumni Fund, founded in 1859 by subscriptions from the Alumni, and now amounting to about \$3,300.

The Athenæum Fund, founded in 1870 by a gift of \$300 from the Athenæum Literary Society at the time of its dissolution.

The Northam Fund, founded in 1887 by a legacy of \$12,000 from Charles H. Northam, Esq., of Hartford.

The College Reading-Room is supplied with newspapers and periodicals published in this country and in England.

The Watkinson Library, a valuable collection of books for reference, containing more than 40,000 volumes, is also accessible to the students.



## CABINET.

The College possesses valuable collections in Natural History, Geology, and Mineralogy, which are displayed in a hall specially arranged for that purpose. Other collections of minerals, fossils, and shells will be arranged for study and use as soon as the necessary cases can be obtained and put in place.

Instruction in Geology is aided by a complete suite of Ward's casts of celebrated fossils, including the megatherium, the glyptodon, the plesiosaurus, and other large specimens, and by a series of carefully selected actual fossils, representing characteristic forms in each geological period from the earliest Silurian to the Tertiary. In addition to this, students are referred to a suite of typical rocks of the State of New York, a series of rocks arranged both lithologically and stratigraphically, and a number of geological and relief maps.

Instruction in Natural History is aided by a valuable collection of mounted skeletons of modern animals, sixty in number, including the elephant, the walrus, the lion, the ourang-outan, man, etc., by Blaschka's glass models of invertebrates, and by a collection of specimens in alcohol.

The cabinet is open every week-day from 2:30 to 4 P. M.

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OBSERVATORY.

The Observatory, erected on the College Campus in 1883, is furnished with sufficient apparatus for astronomical work. The transit instrument and the telescope, which is a six-inch Fitz refractor equatorially mounted and fitted with a driving-clock, were presented by Dr. and Miss St. John of Hartford, from the estate of their father, the late Professor St. John of New Canaan, Conn., and in his memory. The sidereal clock is of the best modern manufacture. There are also in the observatory a smaller refractor and a portable transit.

## EXPENSES.

The amount of the Treasurer's bills each year is as follows:

Tuition,	-	-	-	-	-	-	-	\$100.00
Room-rent for each person,	-	-	-	-	-	-	from \$100.00 to	25.00
Incidentals, -	-	-	-	-	-	-	-	30.00
Heat,	-	-	-	-	-	-	-	12.50
Total,	-	-	-	-	-	-	from \$242.50 to	\$167.50

Board can be obtained at \$4.00 a week and upward; the charge in the College dining-hall is \$4.50 a week, making the cost for thirty-seven weeks \$166.50. To this must be added laundry, charges, together with the expense of books, furniture, clothing, travel, and society-fees, which varies according to the taste and habits of the student, and of which no estimate can be given.

Students taking practical instruction in the chemical laboratory make deposits of \$15 each with the Treasurer of the College, against which drawbacks are allowed on vouchers from the Instructor in Chemistry. A charge is made to students in practical Physics for the cost of apparatus broken or injured while in their care.

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SCHOLARSHIPS.

The amount of the Treasurer's bills can be considerably reduced to holders of scholarships. The income of these scholarships, which are of different values, is placed to the credit of students of limited means, and serves to meet the charges for tuition and room-rent in whole or in part. A list of the scholarships is given at page 63 of this Catalogue. Other funds are sometimes placed at the disposal of the President for the assistance of students in special emergencies.

For holders of those scholarships which remit the entire charges for tuition and room-rent, the Treasurer's bills are reduced to \$42.50; and the necessary expenses of such students, including board and other personal items, will not exceed \$250 or \$300 a year.

Application for any scholarship should be made in writing to the President by the parent or guardian, at or before the beginning of the term in which the student intends to enter.



Students can be provided to some extent with text-books by means of a free lending library established for that purpose, which is under the charge of the Professor of Greek.

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### ROOMS.

Most of the rooms in the College buildings are so arranged as to provide that two students rooming together have a common study and separate bedrooms. All the rooms are heated by steam and lighted by gas; and ventilation is secured by open fire-places. Water is carried to every floor in each section.

All students are required to reside in the College buildings unless they have special permission from the President to room elsewhere.

The College bills are due at the beginning of each term, and must be settled at the Treasurer's office, No. 39 Pearl Street, immediately on the arrival of the student; if not so paid, an additional charge of five per cent. is made for each term's delay. All checks and drafts should be made payable to the order of Charles E. Graves, Treasurer.

By vote of the Trustees, the Treasurer, with the approval of the President, is authorized to exclude from recitations students who neglect to pay their College bills when due.

Students admitted to advanced classes, except those from other Colleges, are required to pay \$12 for each term of their advancement. This charge is sometimes remitted.

No student can receive his degree or an honorable dismissal until the Treasurer certifies that all his College bills are paid, and that, so far as the Treasurer knows, there are no lawful claims against him for board, washing, or other necessary expenses.

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The new Gymnasium and the field of the Athletic Association provide all the students with opportunities for physical exercise. A description of the Gymnasium will be found in the appendix to this Catalogue.

## PRIZES.

### TUTTLE PRIZE.

THE TUTTLE PRIZE OF THIRTY DOLLARS was founded by the late Miles A. Tuttle, Esq., of Hartford. It will be awarded to that member of the Senior Class who shall write the best essay on "*The Influence of Mechanical Inventions upon Industrial Conditions.*" The essay must be submitted to the President on or before the 27th of April, 1888. No award will be made except for distinguished merit.

#### TUTTLE PRIZE ESSAYISTS.

- 1860. "The Benefits Resulting from a Collegiate Education." AUGUSTUS JACKSON.
- 1861. "The Nature of Light." ALBIN BARLOW JENNINGS.
- 1862. "The Writings of Washington Irving." [Not awarded.]
- 1863. "The Safeguards of College Life." WILLIAM THOMAS CURRIE.
- 1864. "The College Law of Honor." [Not awarded.]
- 1865. "The Providential Law of Scientific Discovery and Invention." JOHN HENRY BROCKLESBY.
- 1866. "Physical Science, a Power in the Moral Advancement of Mankind." HENRY EMERSON HOVEY.
- 1867. "The Development of the Mechanical Arts in the Roman Republic." [Not awarded.]
- 1868. "The Systems of Protection and Free Trade — which is best adapted to Promote the Prosperity of the United States?" EDWARD RENWICK BREVOORT.
- 1869. "The Causes of the French Revolution." JOSEPH BLOUNT CHESHIRE, JR.
- 1870. "The Antiquity of Man." BRADY ELECTUS BACKUS.
- 1871. "The Influence of War upon Civilization." CHAUNCEY CAMP WILLIAMS.
- 1872. "The Nature and Origin of Life." ROBERT CLAYTON HINDLEY.
- 1873. "The Equitable Adjustment of the Claims of Labor and Capital." RALPH HART BOWLES, JR.
- 1874. "Number and Quantity, as Functions of Physical Law." THOMAS JAMES DRUMM.
- 1875. "The Norman Element in English Civilization." EDWARD WILLIAM WORTHINGTON.
- 1876. "The Prevalence of Periodicity in the Material World." [Not awarded.]
- 1877. "The Roman Empire as Foreshadowed in Prophecy." JOHN HENRY KING BURGWIN.
- 1878. "The Philosophy of Waste in Nature." [Not awarded.]
- 1879. "The Causes and the Results of the Crimean War." [Not awarded.]
- 1880. "The Doctrine of Evolution, as tested by the Principles of the Inductive Philosophy." [Not awarded.]
- 1881. "The Development of Civil Liberty in the Anglo-Saxon Race." ALFRED POOLE GRINT.
- 1882. "The Roman Tribunate." [Not awarded.]
- 1883. "The Respective Provinces of Thought and Imagination." EDWARD STEVENS BEACH.
- 1884. "The Future of Astronomy." CHARLES McLEAN ANDREWS.
- 1885. "The Relation of the People to the Land." [Not awarded.]
- 1886. "The Connection of Philosophy with the French Revolution." HERMANN LILIEN-THAL.
- 1887. "The Influence of Italian Literature on the Elizabethan Drama." [Not awarded.]



## CHEMICAL PRIZES.

A PRIZE OF THIRTY DOLLARS will be awarded to that member of the Junior Class who shall write the best thesis on "*Aluminium*"; and a second prize of twenty dollars will be awarded to that member of the class who shall write the second best thesis on the same subject. The theses must be submitted to the Instructor in Chemistry on or before the 25th of April, 1888.

## CHEMICAL PRIZE ESSAYISTS.

1858. "Water." DAVID MAITLAND ARMSTRONG.
1859. "Carbonic Acid." SAMUEL BROOM WARREN.
1860. "The Atmosphere." CHARLES HENRY WRIGHT STOCKING.
1861. "The Relations of Water to Heat." AUGUSTUS MORSE, JR.
1862. "Phlogiston." ROBERT WALKER LINEN.
1863. "Fire-Damp." JOHN JAMES MCCOOK.
1864. "Chlorine and its Compounds." ROBERT AGNEW BENTON.
1865. "The Relations of Plants to the Atmosphere." SAMUEL STEVENS.
1866. "Hydrogen." CHARLES HENRY BELKNAP TREMAINE.
1867. "Phosphorus." GEORGE GIDEON NICHOLS.
1868. "Oxygen." FRANK KENNEDY.
1869. "The Voltaic Pile." GEORGE OTIS HOLBROOKE.
1870. "Artificial Light." PERCY SHELLEY BRYANT.
1871. "The Metric System." GEORGE WILLIAM DOUGLAS.
1872. "The Electro-Magnetic Telegraph." GEORGE HENRY SEYMS.
1873. "Spectrum Analysis." WILLIAM HOWARD BULKLEY.
1874. "Photography." EDWARD NICOLL DICKERSON, JR.  
*Second Prize:* GEORGE MCILVAINE DUBOIS.
1875. "The Steam Engine." WASHINGTON BRYAN.  
*Second Prize:* GEORGE WILLIAM LINCOLN.
1876. "Iron." EDWARD NEVINS BURKE.  
*Second Prize:* WILLIAM WHARTON GILLETTE.
1877. "Potassium and its Compounds." STEPHEN GERMAIN HEWITT.  
*Second Prize:* EDWARD MANSFIELD SCUDDER.
1878. "Combustion." HORACE BROWN SCOTT.  
*Second Prize:* GEORGE SUMNER CHIPMAN.
1879. "Sulphur." SYDNEY GEORGE FISHER.  
*Second Prize:* ALFRED HARDING.
1880. "The Atomic Constitution of Matter." ROBERT BARCLAY.  
*Second Prize:* WILLIAM RIDGLEY LEAKEN.
1881. "Explosives." GEORGE SUMNER HUNTINGTON.  
*Second Prize:* FRANK EBENEZER MILLER.
1882. "Electrolysis." WILLIAM WALTER WEBB.  
*Second Prize:* CHARLES ERLING HOTCHKISS.
1883. "Bleaching Agents." WILLIAM SEYMOUR SHORT.  
*Second Prize:* ROBERT THEODORE REINEMAN.
1884. "Ozone." HARWOOD HUNTINGTON.  
*Second Prize:* WILLIAM STANLEY BARROWS.
1885. "The Chemical Effects of Light." FREDERICK HUBBARD WOLCOTT.  
*Second Prize:* GEORGE EMERSON BEERS.
1886. "Common Salt." FREDERICK FITZGERALD.  
*Second Prize:* FRANCIS BANKS WHITCOMBE.
1887. "Fluorine." CHARLES EDWARD PURDY.  
*Second Prize:* LOUIS LEGRAND BENEDICT.

## PRIZE VERSION DECLAMATIONS.

A PRIZE will be awarded on the following conditions :-

There must be six competitors; two from the Senior Class, two from the Juniors, and two from the Sophomores. The two members of each class whose rank is highest in the studies of the preceding year in the department of English will be appointed competitors. Passages from Greek or Latin authors, distributed by lot, and then translated into English and submitted to the Professor of Greek or Latin and the Professor of English, will be pronounced in public on the 24th of May, 1888, in the presence of a committee of award on the delivery. The merits of the version as a translation and as an English composition, together with the merits of the delivery as a declamation, will have equal weight in determining the award of the prize.

The prize-man of the year, if he be still a member of the College, will receive an appointment to pronounce an original version at the Prize Declamations of the following year, without being a candidate for the prize.

## PRIZE-MEN.

1863. Joseph Field Ely.	1877. { Charles Carroll Edmunds, Jr.
1865. James Brainard Goodrich.	{ Edward Mansfield Scudder.
1866. Frank Louis Norton.	1878. John Dows Hills.
1867. Howard Cooke Vibbert.	1879. Alfred Harding.
1868. George Lewis Cooke, Jr.	1880. Harry Campbell Black.
1869. George William Douglas.	1881. Charles Waring Jones.
1870. Arthur Dyer.	1882. John Henry McCrackan.
1871. Paul Ziegler.	1883. Hiram Benjamin Loomis.
1872. Alexander Mackay-Smith.	1884. Frank Wood Richardson.
1873. Oliver Henry Raftery.	1885. William Denison McCrackan.
1874. James Davis Smyth.	1886. Louis LeGrand Benedict.
1875. George Milton Hubbard.	1887. Willard Scudder.
1876. George Sumner Chipman.	

## ORATORICAL PRIZES.

THE STUDENTS, in continuation of prizes given by the Athenæum and Parthenon Literary Societies, offer two Medals as prizes for excellence in writing and pronouncing English Orations. Two members of each of the three upper classes, selected after competition, will deliver their orations in public on the 22d of February, 1888, in the presence of a committee of award. A gold medal will be awarded as the first prize, and a silver medal as the second prize.



## PRIZE MEN.

*Gold Medal.*

1870. Arthur Dyer.  
 1871. Chauncey Camp Williams.  
 1872. Henry Evan Cotton.  
 1874. William Jackson Roberts.  
 1875. Charles Davies Scudder.  
 1876. Beverley Ellison Warner.  
 1877. William Viall Chapin.  
 1878. David Law Fleming.  
 1879. David Buchanan Willson.  
 1880. Thomas Morduit Nelson George.  
 1881. Edwards Stevens Beach.  
 1882. Richard Eugene Burton.  
 1883. [Not awarded.]  
 1884. Charles McLean Andrews.  
 1885. William Denison McCrackan.  
 1886. Louis LeGrand Benedict.  
 1887. George Safford Waters.

*Silver Medal.*

- Paul Ziegler.  
 Alexander Mackay-Smith.  
 James Diggles Hurd.  
 Joseph Buffington.  
 John Huske.  
 James Dowdell Stanley.  
 Edward Mansfield Scudder.  
 Robert Lefavour Winkley.  
 Melville Knox Bailey.  
 Harry Campbell Black.  
 Alfred Poole Grint.  
 Frank Wood Richardson.  
 [Not awarded.]  
 Edward Sims Van Zile.  
 William Agur Beardsley.  
 Henry Reading Heydecker.  
 Godfrey Malbone Brinley.

## ENGLISH LITERATURE PRIZE.

A PRIZE OF SIXTY-FIVE DOLLARS, the gift of Dr. Charles D. Scudder and Edward M. Scudder, Esq., of New York City, is offered to the Senior Class for the best examination in English Literature from the earliest times to the present day, with special reference, for the Class of 1888, to "*American Poetry*." There must be at least five competitors. The examination, which will be held on the 24th of April, 1888, will be in writing, and the questions proposed will not be confined to any text book. The Professor of English, the Professor of Latin, and a third person, not a member of the Faculty, to be selected by them, will be a committee to hold the examination and award the prize.

The special subjects of examination for the following classes will be :

- For the Class of 1889, *American Historical Writings*.  
 For the Class of 1890, *Dramatic Literature before Shakspeare*.  
 For the Class of 1891, *The Poetry of the Seventeenth Century*.  
 For the Class of 1892, *The Life and Writings of Keats*.

## SPECIAL SUBJECTS.

1878. *The Writings of the Fourteenth Century* ;  
 1879. *The Era of the Reformation* ;  
 1880. *The Poetry of the Elizabethan Era* ;  
 1881. *The Prose of the reign of Queen Anne* ;  
 1882. *The Poetry of the Nineteenth Century* ;  
 1883. *The Theological Writings of the Seventeenth Century* ;  
 1884. *The Poetry of the Eighteenth Century* ;  
 1885. *The Historical and Philosophical Writings of the Eighteenth Century* ;  
 1886. *The Historical Writings of the Nineteenth Century* ;  
 1887. *American Political Writings* ;

## PRIZE-MEN.

- George Sumner Chipman.  
 [Not awarded.]  
 William Logan Crosby.  
 William Stanley Emery.  
 William Walter Webb.  
 [Not awarded.]  
 Edward Sims Van Zile.  
 [Not awarded.]  
 [Not awarded.]  
 [Not awarded.]

## LATIN PRIZE.

A PRIZE OF TWENTY-FIVE DOLLARS will be awarded to that member of the Sophomore Class who shall sustain the best examination in Cruttwell's *History of Roman Literature*. The examination will be held on the 28th of April, 1888.

## PRIZE-MEN.

*Juniors.*

- 1870. Henry Scudder Wood.
- 1871. Paul Ziegler.
- 1873. James Davis Smyth.
- 1874. [Not awarded.]
- 1875. Henry Groves Cameron,
- 1876. Charles Carroll Edmunds, Jr.
- 1877. George Sumner Chipman.
- 1878. Lorin Webster.
- 1879. Bern Budd Gallaudet.
- 1880. Charles Wright Freeland.

- 1881. Charles Anderson Hamilton.
- 1882. [Not awarded.]
- 1883. Henry Ritchie Neely.
- 1884. Robert Thorne.
- 1885. Paul Birdsall.

*Sophomores.*

- 1885. Francis Banks Whitcome.
- 1886. John William Roy Crawford.
- 1887. Francis Goodwin Williams.

## MATHEMATICAL PRIZE.

A PRIZE OF TWENTY DOLLARS will be awarded to that member of the Freshman Class who shall sustain the best examination in the *Theory of Algebraic Equations*. The examination will be held on the 5th of May, 1888.

## PRIZE-MEN.

*Algebra Prize.*

- 1871.
- 1872.
- 1873.
- 1874. John Prout.
- 1875. John Williams.
- 1876. Walter Calvin Hagar.
- 1877. Bern Budd Gallaudet.
- 1878. Richard Allyn White.
- 1879. Arthur Beach Linsley.
- 1880. Clarence Morgan Kurtz.
- 1881. George Dudley Buck.
- 1882. Hiram Benjamin Loomis.
- 1883. Hermann Lillienthal.
- 1884.
- 1885.
- 1886.
- 1887.

*Geometry Prize.*

- James Diggles Hurd.
- Charles Davies Scudder.
- Henry Groves Cameron.
- John Henry King Burgwin.
- John Williams.
- Joseph Mosgrove Truby.
- Thomas Morduit Nelson George.
- Charles Wright Freeland.
- William Walter Webb.
- Clarence Morgan Kurtz.
- William Stanley Barrows.
- Hiram Benjamin Loomis.
- George Emerson Beers.
- George Washington Rodgers.
- Henry Marvin Belden.
- Andrew Ellicott Douglass.
- [Not awarded.]

## GOODWIN GREEK PRIZES.

TWO PRIZES, one of thirty-five dollars and one of twenty-five dollars, founded by Mrs. James Goodwin of Hartford, are offered to the Freshman Class for the best examinations upon Books



xix.-xxii. of Homer's Iliad. The examination will be held in April, and no prize will be awarded unless the work offered is excellent.

## PRIZE-MEN.

*First Prize.*

1885. Henry Barnard Brownell.  
 1886. [Not awarded.]  
 1887. Gilbert Payson Coleman.

*Second Prize.*

- John William Roy Crawford.  
 Robert Hamilton Hutchins.

## PRIZES IN HISTORY AND POLITICAL SCIENCE.

A PRIZE OF TWENTY-FIVE DOLLARS will be awarded to that member of the Senior Class who shall present the best essay upon "*Oliver Cromwell*." Essays must be handed to the Professor on or before the 26th of April, 1888.

A PRIZE OF TWENTY-FIVE DOLLARS will be awarded to that member of the Senior Class who shall present the best essay upon "*Socialism in America*." Essays must be handed to the Professor on or before the 26th of April, 1888.

## PRIZE-MEN.

*History.*

1886. James Goodwin.  
 1887. Frederick Everest Haight.

*Political Science.*

- Hermann Lilienthal.  
 Edward Cullen Niles.

## ENGLISH COMPOSITION PRIZES.

TWO PRIZES, one of fifteen dollars and one of ten dollars, will be awarded to the members of the Sophomore Class who shall present the best essays on any of the following subjects. The essays must be handed to the Professor on or before the 11th of April, 1888.

## SUBJECTS FOR 1888.

- "*The Influence of Republican Institutions on Individual Character*."  
 "*The Constitutional Convention of 1787*."  
 "*The Political Philosophy of Thomas Jefferson*."

## PRIZE-MEN.

*First Prize.*

1887. Edward Taylor Sullivan.

*Second Prize.*

- Willard Scudder.

## HONOR-MEN FOR THE YEAR 1886-87.

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### HONORS IN THE CLASS OF 1887.

<i>Valedictory</i> , . . . . .	ORIN ARNOLD SANDS.
<i>Salutatory</i> , . . . . .	WILLIAM AGUR BEARDSLEY.
<i>Third Appointment</i> , . . . .	EDWARD CULLEN NILES.

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### OTHER SPEAKERS AT COMMENCEMENT.

Charles William Bowman,	Charles Henry Tibbits, 2d,
Charles Ephraim Deuel,	Francis Banks Whitcome.

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TUTTLE PRIZE ESSAY,	[Not awarded.]
CHEMICAL PRIZE ESSAY,	Charles Edward Purdy.
<i>Second Prize</i> ,	Louis LeGrand Benedict.
PRIZE VERSION DECLAMATION,	Willard Scudder.
ORATORICAL PRIZES:	
<i>Gold Medal</i> ,	George Safford Waters.
<i>Silver Medal</i> ,	Godfrey Malbone Brinley.
ENGLISH LITERATURE PRIZE,	[Not awarded.]
LATIN PRIZE,	Francis Goodwin Williams.
MATHEMATICAL PRIZE,	[Not awarded.]
GOODWIN GREEK PRIZES:	
<i>First Prize</i> ,	Gilbert Payson Coleman.
<i>Second Prize</i> ,	Robert Hamilton Hutchins.
HISTORICAL PRIZE,	Frederick Everest Haight.
POLITICAL SCIENCE PRIZE,	Edward Cullen Niles.
GERMAN PRIZE,	Robert Hutchins Schütz.
FRENCH PRIZE,	Willard Scudder.
ENGLISH COMPOSITION PRIZES:	
<i>First Prize</i> ,	Edward Taylor Sullivan.
<i>Second Prize</i> ,	Willard Scudder.



## HONOR-GRADE.

The students whose names follow attained the honor-grade in the several departments (see page 46) during the year 1886-87.

## SENIORS.

In English:	C. W. Bowman, C. E. Deuel, F. E. Haight, O. A. Sands, F. B. Whitcome.
In † Ethics:	A. H. Anderson, O. Applegate, Jr., W. A. Beardsley, C. W. Bowman, G. C. Carter, M. K. Coster, C. E. Deuel, E. C. Niles, W. B. Olmsted, O. A. Sands, C. H. Tibbits, 2d, H. R. Thompson, F. B. Whitcome.
In * Geology:	O. A. Sands.
In History and Political Science:	O. A. Sands.
In Logic and Metaphysics:	W. A. Beardsley, E. C. Niles.
In <i>English</i> :	F. E. Haight, O. A. Sands.
In <i>Ethics</i> :	† W. A. Beardsley, † G. C. Carter, * O. A. Sands, * J. W. Shannon.
In <i>Greek</i> :	O. Applegate, Jr., W. A. Beardsley, G. C. Carter, M. K. Coster, * A. C. Hamlin, † E. C. Niles, F. B. Whitcome.
In * <i>Latin</i> :	E. C. Niles.
In <i>Modern Languages</i> :	* W. A. Beardsley, † E. C. Niles, * O. A. Sands, * F. B. Whitcome.
In <i>Physics</i> :	C. W. Bowman, R. E. L. Rodgers.

## JUNIORS.

In † Astronomy:	W. S. Hubbard, L. H. Paddock.
In English:	H. M. Belden, L. LeG. Benedict, C. E. Purdy.
In † History and Political Science:	L. LeG. Benedict, E. C. Johnson, 2d, L. H. Paddock, C. E. Purdy, W. T. Putnam.
In * Mathematics:	C. E. Purdy.
In Modern Languages:	J. W. R. Crawford, W. S. Hubbard, L. H. Paddock, C. E. Purdy, A. R. Stuart.
In Physics:	J. W. R. Crawford.
In * <i>Anthropology</i> :	H. M. Belden, L. LeG. Benedict, L. H. Paddock.
In † <i>English</i> :	H. M. Belden, L. LeG. Benedict, G. I. Brown, W. S. Hubbard, W. T. Putnam, W. C. Stuart.
In † <i>Ethics</i> :	G. M. Brinley, E. C. Johnson, 2d, W. F. Morgan, Jr., W. T. Putnam, F. C. Wainwright, M. C. Warner.

- In *Greek*: G. I. Brown, J. W. R. Crawford, \* W. S. Hubbard, \* W. F. Morgan, Jr.  
 In \* *History and Political Science*: J. W. R. Crawford.  
 In *Latin*: \* L. LeG. Benedict, † W. S. Hubbard.  
 In \* *Mathematics*: M. C. Warner.  
 In † *Modern Languages*: L. H. Paddock, A. R. Stuart.

## SOPHOMORES.

- In \* *Anthropology*: R. H. Schütz.  
 In *English*: W. Scudder, E. T. Sullivan, R. C. Tuttle, B. Wright.  
 In † *Ethics*: F. H. Beers, J. W. Fell, P. H. Frye, C. H. Hubbard, F. S. Morehouse, E. N. Scott.  
 In *Greek*: A. Millard, Jr., W. Scudder, L. F. Sennett, F. G. Williams, B. Wright.  
 In *History and Political Science*: J. W. Fell.  
 In *Latin*: F. F. Kramer, A. Millard, Jr., C. H. Remington, W. Scudder, L. F. Sennett, E. T. Sullivan, F. G. Williams, B. Wright.  
 In \* *Mathematics*: F. H. Beers, A. E. Douglass, P. H. Frye, C. H. Remington, W. Scudder, B. Wright.  
 In *Modern Languages*: F. H. Beers, J. W. Fell, G. A. French, A. Millard, Jr., R. H. Schütz, W. Scudder, L. F. Sennett, F. G. Williams, B. Wright.  
 In † *Natural History*: A. E. Douglass, J. W. Fell, W. Scudder, F. G. Williams, B. Wright.  
 In † *Physics*: A. E. Douglass, J. W. Fell, W. Scudder, B. Wright.

## FRESHMEN.

- In † *English*: J. B. Burnham, T. L. Cheritree, G. P. Coleman, R. H. Hutchins, J. S. Littell, W. H. C. Pynchon, P. Smith, E. B. Stockton, J. Williams, G. H. Wright.  
 In *Latin*: G. P. Coleman, C. S. Griswold, W. H. C. Pynchon, J. Williams.  
 In *Greek*: G. P. Coleman, C. S. Griswold, R. H. Hutchins, W. H. C. Pynchon, J. Williams.  
 In *Mathematics*: G. P. Coleman, C. S. Griswold, W. H. C. Pynchon, G. H. Wright.  
 In *Modern Languages*: J. B. McCook.

Prescribed studies in Roman; elective studies in *Italic*.

\* Christmas term only.

† Trinity term only.



## DEGREES CONFERRED IN 1887.

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The following degrees, having been voted by the Corporation at their annual meeting, held on the 29th day of June, 1887, were duly conferred at the public Commencement on the following day.

### BACHELOR OF ARTS, IN COURSE.

- ✓ Octavius Applegate, Jr.,  
*With honors in Greek.*
- ✓ William Agur Beardsley,  
*With honors in Greek and Mathematics.*
- ✓ George Calvert Carter,  
*With honors in Greek.*
- ✓ Martyn Kerfoot Coster,  
*With honors in Greek.*
- ✓ Edward Cullen Niles,  
*With honors in Modern Languages.*
- ✓ George Washington Rodgers,  
*With honors in Mathematics.*
- ✓ Charles Henry Tibbits, 2d,  
*With honors in Greek.*
- ✓ Francis Banks Whitcome,  
*With honors in Modern Languages.*
- ✓ Alexander Hopkins Anderson.
- ✓ Charles William Bowman.
- ✓ Charles Ephraim Deuel.
- ✓ Frederick Everest Haight.
- ✓ Albert Church Hamlin.
- ✓ Strathearn Hendrie.
- ✓ William Beach Olmsted.
- ✓ Howard Austin Pinney.
- ✓ Robert Edward Lee Rodgers.
- ✓ Orin Arnold Sands.
- ✓ Joseph Wellington Shannon.
- ✓ Henry Rumford Thompson.

### BACHELOR OF SCIENCE, IN COURSE.

- ✓ George Safford Waters.

## MASTER OF ARTS, IN COURSE.

Of the Class of 1876:

The Rev. Theodore Atkinson Porter.

Of the Class of 1878:

The Rev. Charles Walter Boylston.

The Rev. John William Williams.

Of the Class of 1880:

Harry Campbell Black.

The Rev. Morton Stone.

Of the Class of 1881:

The Rev. Charles Smith Cook.

Of the Class of 1882:

The Rev. Samuel Newell Watson.

Of the Class of 1883:

The Rev. Maurice Ludlum Cowl.

Of the Class of 1884:

Willam Stanley Barrows.

Henry Ritchie Neely.

John Morgan Brainard.

James Frederick Olmsted.

The Rev. George Heathcote Hills.

Edward Lawson Purdy.

William Henry Hitchcock.

Frank Wood Richardson.

Frank Elisha Johnson.

Edward Sims Van Zile.

The Rev. George Ernest Magill.

✓ The Rev. Lorenzo Sears, Yale.

✓ The Rev. Sherrard Billings, Harvard.

## MASTER OF ARTS, HONORIS CAUSA.

✓ The Rev. HENRY AUGUSTUS ADAMS, New York City.

✓ The Rev. JAMES WATSON BRADIN, Hartford.

GEORGE EDWARD ELWELL, Bloomsburg, Pa.

✓ The Hon. CHARLES ALLEN SUMNER, San Francisco, Cal.

## DOCTOR OF LAWS, HONORIS CAUSA.

✓ The Hon. GEORGE FRANKLIN EDMUNDS, United States Senator,  
Burlington, Vt.✓ The Rev. GEORGE WILLIAMSON SMITH, Hobart College, D.D., Presi-  
dent of Trinity College.

## DOCTOR IN DIVINITY, HONORIS CAUSA.

The Rev. JOSEPH PEMBERTON TAYLOR, of the Class of 1843, M.A.,  
Plainfield, N. J.



## SCHOLARSHIPS.

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### TOUCEY SCHOLARSHIPS.

These were founded in 1868 by the Hon. Isaac Toucey, LL.D. They are assigned, after a competitive examination, to students who are studying with a view to the Holy Ministry. The founder, by making the College the trustee of another fund, has enabled it to appoint the holders of these Scholarships to Scholarships in the Berkeley Divinity School.

### SCHOLARSHIPS OF TRINITY CHURCH, NEW YORK.

These are five in number, and were founded in 1843, in consideration of the sum of \$5,000 granted by the vestry of Trinity Church, New York, toward the endowment of the Hobart Professorship. The students by whom they are held are exempt from all charges for "tuition, room-rent, fuel for recitation-rooms, or other general objects." The right of nomination is in the Rector, Wardens, and Vestry of Trinity Church, or their assigns, or any person by them authorized.

### WILLIAM ALLEN MATHER SCHOLARSHIP.

This was founded in 1864, and endowed by Mrs. Jane C. Mather of Hartford. The student by whom it is held is exempt from all charges for "tuition, room-rent, fuel for recitation-rooms, or other general objects."

### SCHOLARSHIP OF ST. PAUL'S CHURCH, TROY, N. Y.

This was founded in 1830 by members of the Parish whose name it bears. It is "for the benefit of pious and indigent young men studying with a view to the Ministry in the Protestant Episcopal Church." The right of nomination is in the Rector, Wardens, and Vestry of St. Paul's Church, Troy.

### HEARTT SCHOLARSHIP.

This was founded in 1830 and endowed by Philip Heartt, Esq., of Troy. It has the same object with the preceding Scholarship. The right of nomination was vested in Mr. Heartt during his lifetime, and afterward in the Bishop of the Protestant Episcopal Church in the Diocese of Connecticut; and during any vacancy in the Episcopate, it devolves on the presiding officer of the College.

### THOMAS BACKUS SCHOLARSHIP.

This was founded in 1837 by the Rev. Stephen Jewett, M.A., to be held "by some beneficiary designing to enter the Ministry of the Protestant Episcopal Church." This scholarship yields no available income at present.

## SCHOLARSHIP OF CHRIST CHURCH, HARTFORD.

This was founded in 1839 by J. Smyth Rogers, M.D., Professor of Chemistry. In 1845, in consideration of the subscription from the Parish for the erection of Brownell Hall, the endowment was increased. The right of nomination is vested in the Rector of Christ Church.

## GREGOR SCHOLARSHIPS.

Through a bequest of \$15,000, made by Mrs. Sarah Gregor, the college is enabled to remit the fees for tuition to a certain number of necessitous students.

## KIRBY SCHOLARSHIP.

This was founded in 1872, and endowed by a legacy of Miss Harriet Kirby, of Hartford. It yields \$300 *per annum*, which is to be appropriated to undergraduates studying with a view to Holy Orders. The right of nomination is vested in the Rector of St. John's Church, Hartford; or, in case he fails to nominate, in the Corporation of the College.

## BURHANS SCHOLARSHIP.

This Scholarship was founded by a bequest of the Rev. Daniel Burhans, D.D. The scholarship is to be held by "such candidates for Orders as shall be nominated from time to time by the Rector and Wardens of Christ Church, Hartford."

## DANIEL GOODWIN SCHOLARSHIPS.

These scholarships, founded in 1881 from a bequest of Daniel Goodwin, Esq., of Hartford, are four in number, each yielding to the holder the sum of \$30 a year in payment of college bills. The scholars, one in each class, are nominated from the public schools of Hartford in such manner as the Board of Education or School Visitors of the town appoint.

## RIPLEY SCHOLARSHIP.

This was founded in 1887 by a bequest of \$3,000 from Miss Louise Ripley, of Hartford. The nomination to the scholarship is in the hands of the President of the College.

## PHILADELPHIA ALUMNI SCHOLARSHIP.

A scholarship is partly endowed by the Philadelphia Alumni Association, the income of which will become available when the endowment is completed.

## OTHER SCHOLARSHIPS.

The following Scholarships for the remission of fees for tuition, were founded "for the benefit of young men in indigent circumstances, communicants of the Protestant Episcopal Church."

SCOVILL SCHOLARSHIP, founded by William H. Scovill, Esq., of Waterbury.



SCOVILL SCHOLARSHIP, founded by J. M. L. Scovill, Esq., of Waterbury.

ELTON SCHOLARSHIP, founded by John P. Elton, Esq., of Waterbury.

ST. JOHN'S, WATERBURY, SCHOLARSHIP, founded by Parishioners of St. John's Church, Waterbury.

TRINITY CHURCH, NEW HAVEN, SCHOLARSHIP, founded by Parishioners of Trinity Church, New Haven.

ST. PAUL'S, NEW HAVEN, SCHOLARSHIP, founded by Parishioners of St. Paul's Church, New Haven.

LAKE SCHOLARSHIP, founded by Benjamin T. Lake, Esq., of Bethlehem.

HALLAM SCHOLARSHIP, founded by the Rev. Robert A. Hallam, D.D., of New London.

ST. JAMES'S, NEW LONDON, SCHOLARSHIP, founded by Parishioners of St. James's Church, New London.

SHELTON AND SANFORD SCHOLARSHIP, founded by the Shelton and Sanford families, of Derby.

MORGAN SCHOLARSHIP, founded by the Rev. John Morgan, of Stratford.

FOWLER SCHOLARSHIP, founded by the Fowler family, of Northfield.

CORNELL SCHOLARSHIP, founded by Samuel G. Cornell, Esq., of Greenwich.

ST. PAUL'S, NORWALK, SCHOLARSHIP, founded by Parishioners of St. Paul's Church, Norwalk.

TRINITY CHURCH, PORTLAND, SCHOLARSHIP, founded by Parishioners of Trinity Church, Portland.

SHERMAN SCHOLARSHIP, founded by the Sherman family, of Brookfield.

BURR SCHOLARSHIP, founded by Mrs. Sarah Burr, of Hartford.

ST. JOHN'S CHURCH, HARTFORD, SCHOLARSHIP, founded by Parishioners of St. John's Church, Hartford.

FIVE OTHER SCHOLARSHIPS were endowed in the same manner, by sundry subscriptions, the nomination to which is vested in the Corporation.

#### SCHOLARSHIPS OF THE CHURCH SCHOLARSHIP SOCIETY.

The Church Scholarship Society of the Diocese of Connecticut aids a few students with loans, not exceeding \$100 *per annum*, which are granted only to persons in necessitous circumstances, preparing for Holy Orders, and sustaining a correct deportment as communicants. Applicants must be furnished with a testimonial of such qualifications, signed by a clergyman to whom they are personally known.

#### SCHOLARSHIPS OF THE SOCIETY FOR THE INCREASE OF THE MINISTRY.

This Society holds the Mark Warner fund, amounting to about \$10,000, the income of which, under the conditions of the gift, is to be applied to young men, scholars of the Society, studying at Trinity College or the Berkeley Divinity School, and also the Heminway fund of \$5,000, for the benefit of its scholars in Trinity College. The Society is able to grant other scholarships, ranging in value from \$100 to \$300 *per annum*.

# EXAMINATIONS FOR ADMISSION.

1886.

## GREEK.

### I. GRAMMAR.

Contract *ao, aei, eoi*.

Decline throughout *τράπεζα, θυγάτηρ, σύ*, and in the singular *πολύς*.

Compare *κούφος, ἐχθρός*.

Give the synopsis of *τιμάω*, perfect act. and aorist pass. ; *τίθημι*, present mid.

Inflect (through the persons and numbers) *φαίνω*, aorist indicative act., and *ἵστημι*, imperfect act.

Give the principal parts of *ἄγω, ἔρχομαι, λαμβάνω, πράττω*.

### II. XENOPHON.

Translate (An. I. 3. 17 f.):

Ἐγὼ γὰρ ὀκνοῖν μὲν ἂν εἰς τὰ πλοῖα ἐμβαίνειν ἃ ἡμῖν δοίη, μὴ ἡμᾶς αὐταῖς ταῖς τριήρεσι καταδύσῃ, φοβοίμην δ' ἂν τῷ ἡγεμόνι ᾧ δοίη ἐπεσθαι, μὴ ἡμᾶς ἀγάγῃ ὅθεν οὐχ οἷόν τε ἔσται ἐξελθεῖν. βουλοίμην δ' ἂν ἄκοντος ἀπὼν Κύρου λαθεῖν αὐτὸν ἀπελθῶν. ὃ οὐ δυνατόν ἐστιν. Ἀλλ' ἐγωγέ φημι ταῦτα μὲν φλναρίας εἶναι. δοκεῖ δέ μοι ἄνδρας ἐλθόντας πρὸς Κύρον οὔτινες ἐπιτήδειοι σὺν Κλεάρχῳ ἐρωτᾶν ἐκεῖνον, τί βούλεται ἡμῖν χρῆσθαι.

Explain the uses of the modes in *ὀκνοῖν, δοίη, καταδύσῃ*. The construction of *τριήρεσι, ᾧ, Κύρου*. How does the Greek idiom in *λαθεῖν ἀπελθῶν* differ from the English? What was the occasion of this speech?

Translate (An. II. 3. 22 f.):

Ἐπεὶ μέντοι ἤδη αὐτὸν ἐωρῶμεν ἐν δεινῷ ὄντα, ἡσχύνθημεν καὶ θεοὺς καὶ ἀνθρώπους προδοῦναι αὐτόν, ἐν τῷ πρόσθεν χρόνῳ παρέχοντες ἡμᾶς αὐτοὺς εὖ ποιεῖν. Ἐπεὶ δὲ Κύρος τέθνηκεν, οὔτε βασιλεῖ ἀντιποιούμεθα τῆς ἀρχῆς οὔτ' ἐστὶν ὅπου ἔνεκα βουλοίμεθ' ἂν τὴν βασιλείῃς χώραν κακῶς ποιεῖν. οὐδ' αὐτὸν ἀποκτείνειν ἂν ἐθέλομεν, πορευοίμεθα δ' ἂν οἴκαδε, εἰ τις ἡμᾶς μὴ λυποίῃ.

What peculiarity as regards augment in *ἐωρῶμεν*? How would *ἡσχύνθημεν προδοῦντες* differ in sense from *ἡσχύνθημεν προδοῦναι*? The force of the tense in *τέθνηκε*.

Translate (An. IV. 8. 8 f.):

Μετὰ δὲ τὰ πιστὰ εὐθὺς οἱ Μάκρωνες τὰ δένδρα συνεξέκοπτον τὴν τε ὁδὸν ὡδοποιοῦν ὥς διαβιβάσοντες ἐν μέσοις ἀναμεμγμένοι τοῖς Ἑλλήσιν. καὶ ἀγορὰν οἷαν ἐδύναντο παρεῖχον. καὶ διήγαγον ἐν τρισὶν ἡμέραις ἕως ἐπὶ τὰ Κόλχων ὄρια κατέστησαν τοὺς Ἑλλήνας. Ἐνταῦθα ἦν ὁρος μέγα, προσβατὸν δέ. καὶ ἐπὶ τούτου οἱ Κόλχοι παρατεταγμένοι ἦσαν. Καὶ τὸ μὲν πρῶτον οἱ Ἑλλήνες ἀντιπαρετάξαντο κατὰ φάλαγγα ὥς οὕτως ἄξοντες πρὸς τὸ ὄρος.



Give the rules for the place and kind of accent in ἀναμεμυγμένοι, παρῆχον. The etymology of ὁδοποιοῦν, προσβατόν. Where are the following forms made and from what presents: διαβιβάσοντες, κατέστησαν, παρατεταγμένοι?

### III. HOMER.

Oral Examination.

### IV. COMPOSITION.

Translate into Greek:

After this Xenophon said: "It is evident that they are plotting against us in order that they may put us to death, if they are able. But everything must be done by us that we may never come into the power of (γίγνομαι ἐπὶ) these barbarians. And if the soldiers should see us to be disheartened (ἀδυνάμει), they themselves also would become cowardly."

### V. HISTORY.

What were the four great Greek festivals and which of these was the most prominent? What were the offices of the Senate and Assembly at Sparta? What measures did Solon adopt at Athens to relieve the people? Name the principal political leaders at Athens for fifty years after the Persian war. Give the dates of the Ionic revolt, the rule of the Thirty Tyrants, the battle of Cheronaea.

## LATIN.

### I. CAESAR.

Translate:

Ubi eo ventum est, Caesar initio orationis sua senatusque in eum beneficia commemoravit, quod rex appellatus esset a senatu, quod amicus, quod munera amplissime missa; quam rem et paucis contigisse, et pro magnis hominum officiis consuesse tribui docebat; illum, cum neque aditum neque causam postulandi iustam haberet, beneficio ac liberalitate sua et senatus ea praemia consecutum. Docebat etiam quam veteres quamque justae causae necessitudinis ipsis cum Haeduis intercederent, quae senatus consulta, quotiens quamque honorifica, in eos facta essent, ut omni tempore totius Galliae principatum Haedui tenuissent, prius etiam quam nostram amicitiam appetissent.

Explain the cases of *senatus*, *rex*, *munera*, *illum*, *beneficio*, *tempore*, declining each word throughout. Give the comparison of *magnus*, *justus*, *vetus*, *prius*. Give the principal parts of each verb in the first sentence (to *consecutum*), marking the quantity of the penults. Write the synopsis of *facio*, in both the active and the passive. What are the irregularities in gender and in case-forms in the first declension? What pronouns and adjectives make the genitive in *ius*?

Give an outline of the history of the war with Ariovistus.

[The second passage from Caesar is to be omitted by candidates for the course in Arts.]

## Translate:

Hostes proelio superati, simul atque se ex fuga receperunt, statim ad Caesarem legatos de pace miserunt; obsides daturos quaeque imperasset facturos esse polliciti sunt. Una cum his legatis Commius Atrebas venit, quem supra demonstraveram a Caesare in Britanniam praemisum. Hunc illi e navi egressum, cum ad eos oratoris modo Caesaris mandata deferret, comprehenderant atque in vincula conjecerant; tum, proelio facto, remiserunt.

Give the syntax of each verb in this passage, stating where it is made, and giving the reason for the mode and the tense. In what kinds of clauses is the subjunctive used with *ut*? the indicative with *cum*? How is a prohibition expressed in Latin? a wish? What verbs compounded with prepositions are followed by the dative?

## II. VIRGIL.

## Translate:

Sum patria ex Ithaca, comes infelicis Ulixi,  
nomine Achaemenides, Troiam genitore Adamasto  
paupere — mansissetque utinam fortuna! — profectus.  
Hic me, dum trepidi crudelia limina linquunt,  
immemores socii vasto Cyclopi in antro  
deseruere. Domus sanie dapibusque cruentis,  
intus opaca, ingens; ipse arduus, altaque pulsat  
sidera — di, talem terris avertite pestem! —  
nec visu facilis nec dictu affabilis ulli;  
visceribus miserorum et sanguine vescitur atro.

Give an account of the wanderings of Aeneas before reaching Carthage. Explain the use of *paupere*, *linquunt*, *visu*.

Mark the scansion of the first three verses, noting the caesura. When are vowels long, short, or common by position? What is the rule for the quantity of final *e*? Give the exceptions.

## III. CICERO.

## Translate:

An vero tam parvi animi videamur esse omnes, qui in re publica atque in his vitae periculis laboribusque versamur, ut cum usque ad extremum spatium nullum tranquillum atque otiosum spiritum duxerimus, nobiscum simul moritura omnia arbitremur? Ego vero omnia quae gerebam, iam tum in gerendo spargere me ac disseminare arbitrabar in orbis terrae memoriam sempiternam. Haec vero sive a meo sensu post mortem afutura est, sive — ut sapientissimi homines putaverunt — ad aliquam mei partem pertinebit, nunc quidem certe cogitatione quadam speque delector.

Give the syntax of each verb in this passage, stating where it is made, and giving the reason for the mood and tense. In what kinds of clauses is the subjunctive used with *qui*? the indicative with *cum*? What is the use of the tenses of the subjunctive in conditional sentences?



## IV. EXTEMPORE TRANSLATION.

Translate:

Conclamant Haedui, et Litavicum obsecrant ut sibi consulat. "Quasi vero," inquit ille, "consili sit res, ac non necesse sit nobis Gergoviam contendere et cum Arvernīs nosmet coniungere! An dubitamus quin, nefario facinore admissō, Romani iam ad nos interficiendos concurrant? Proinde, si quid in nobis animi est, persequamur eorum mortem qui indignissime interierunt, atque hos praedones interficiamus!" Ostendit cives Romanos, qui eius praesidi fiducia una erant; magnum numerum frumenti commeatusque diripit; ipsos crudeliter excruciatos interficit.

Write the English words which are derived from words in the first four lines.

Translate:

At vos, o superi, et divum tu maxime rector  
Jupiter, Arcadii quaeso miserescite regis,  
et patrias audite preces. Si numina vestra  
incolumem Pallanta mihi, si fata reservant,  
si visurus eum vivo, et venturus in unum,  
vitam oro; patiar quemvis durare laborem.  
Sin aliquem infandum casum, fortuna, minaris,  
nunc o nunc liceat crudelem abrumpere vitam,  
dum curae ambiguae, dum spes incerta futuri,  
dum te, care puer, mea sera et sola voluptas,  
complexu teneo, gravior ne nuntius aures  
vulneret.

## V. LATIN COMPOSITION.

Translate:

The council being dismissed, the princes of the states returned to Caesar and begged that they might be permitted to speak with him in secret concerning the safety of all. Weeping, they cast themselves at his feet and said: "We pray that you will not answer our enemies when they ask you what we have said; for if our words should be known to others, we should be in great danger. We have fled from our city and are going to Rome to ask help from the senate. If you do not aid us, it will happen in a few years that we shall all be driven from the boundaries of Gaul."

## VI. HISTORY AND GEOGRAPHY.

1. Who was Cincinnatus? Pyrrhus? L. Mummius? Lepidus? Germanicus? Agrippina? 2. Give an outline of Hannibal's campaigns in Italy. 3. Describe the battle of Philippi; the battle of Actium. 4. Give an account of the Licinian Laws. 5. Trace the history of the reigns of Vespasian and Titus.

1. Give an account of Sicily, Magna Graecia, Apulia. 2. Name the Roman provinces north and west of Italy. 3. Describe the position of

Alba, Zama, Brundisium, Placentia, Gades. 4. Describe the position of Lydia, Achaia, Delos, Babylon. 5. Where was Vesuvius? Mons Sacer? the Orontes? the Vulturnus? the Rhodanus?

# MATHEMATICS.

## ARITHMETIC.

1. Find the square root, to three places of decimals, of

$$\frac{10\frac{1}{2} + \frac{15.75}{1.5}}{\frac{1}{8} \text{ of } 2\frac{1}{8}}$$

2. What sum of money at 5 per cent. simple interest, will amount to \$237.538 in three years and six months?

3. If six men can dig six rods of a ditch in six hours, how many rods can twelve men dig in twelve hours?

4. A cistern is 2 meters long, 35 decimeters wide, and 3 meters deep. How many cubic meters of water will it contain? How many liters? How many grams?

## ALGEBRA.

1. Find the numerical value of the expression  $\frac{e^c - d^c}{e^2 + ed + d^2}$ , in which  $c = 3$ ,  $d = 4$ ,  $e = 5$ .

2. What is the value of  $a \div \{x + x + x + \dots \text{written } a \text{ times}\}$ ?

3. Resolve into prime factors  $6x^2 - 12x - 18$ .

4. Resolve into prime factors  $x^4 + x^2 + 1$ .

5. Find the highest common factor of  $2x^3 - 4x^2 - 13x - 7$  and  $6x^3 - 11x^2 - 37x - 20$ .

6. Simplify  $\frac{\left(\frac{a-b}{b} - \frac{b}{a}\right) \left(\frac{b}{a} + \frac{a}{b}\right)}{1 - \frac{a-b}{a+b}}$ .

7. Solve the equations 
$$\begin{cases} 5x + 3y - 6z = 4 \\ 3x - y + 2z = 8 \\ x - 2y + 2z = 2 \end{cases}$$

8. Solve the equation  $\frac{x+2}{x-1} - \frac{4-x}{2x} = \frac{7}{3}$ .

9. Solve the equations 
$$\begin{cases} 3x^2 - 2xy = 15 \\ 2x + 3y = 12 \end{cases}$$



10. Expand  $(a - 2b)^7$  by the binomial theorem.
11. 27,664 cubic inches of material is used in the construction of a cubical box, each side of which is 2 inches thick. Find the length of an outer edge of the box.
12. Derive a formula for the sum of the terms of an arithmetical progression.

## GEOMETRY.

Demonstrate the following propositions:

1. The three perpendiculars from the middle points of the sides of a triangle meet in the same point.
  2. An inscribed angle is measured by one-half of its intercepted arc.
  3. Two triangles are similar when they are mutually equiangular.
  4. Two triangles having an angle of the one equal to an angle of the other are to each other as the products of the sides including the equal angles.
- 
5. What is the length of the side of a regular decagon inscribed in a circle whose diameter is 12?
  6. Problem :—To divide a given straight line into parts proportional to given straight lines.

## ENGLISH.

- I. Correct, criticize, and recast the following sentences :
  1. He brought up a large family on a slender clergyman's income.
  2. He caught one of the largest trout that was ever seen in that section.
  3. I know it to be he.
  4. I will be able to go to-morrow.
  5. It has sold an edition of "The Revolt of Islam," which nobody would have thought of reading, and few who read can understand, — I, for one.
- II. Write an essay containing about five hundred words on one of the following subjects, giving attention to spelling, punctuation, use of capitals, division by paragraphs, and expression :
  1. The Plot of Shakspeare's *Julius Caesar*.
  2. The Character of Shylock.
  3. The Plot of Scott's *Quentin Durward*.
  4. The Life of Milton.
- III. Give the principal rules for the use of the comma.
- IV. Define a preposition ; a conjunction.

## NEW BUILDINGS.

### THE GYMNASIUM AND ALUMNI HALL.

THE new Gymnasium and Alumni Hall (or theatre) stands to the east of the proposed north quadrangle, near the driveway from Vernon Street, and faces the west. It is substantially built of brick laid in red mortar, with a finish of Portland sandstone. In plan the building presents a parallelogram, the main lines being broken by projections on the north and the west sides. The frontage is fifty-six feet, and the length one hundred and six feet. The entrance is at the level of the running-track of the gymnasium; from the vestibule ample stairways lead down to the latter and up to the theatre, which with cloak-rooms and stage occupies the entire area of the first floor, and has a seating capacity of over five hundred. The side walls are fifteen feet high, from which point the ceiling follows the rake of the roof, the level surface being twenty-two feet from the floor. The hall is well lighted and ventilated. The stage is reached by a separate staircase.

The gymnasium is forty-five by eighty-five feet in the clear, with a height of twenty-two feet from floor to ceiling. The walls are finished with exposed brick laid in red mortar. Ample light is admitted upon three sides of the room, the walls upon the north and south being pierced by large mullion windows elevated over six feet from the floor. A running-track five feet wide extends entirely around the gymnasium, supported on hard pine brackets bolted to the walls, and also by iron rods from floor-timbers above. It is reached from the main entrance vestibule, and also by a staircase upon the north side. The basement is planned for bowling-alleys, base-ball cage, toilet, shower baths, and lockers, and is easy of access by means of two separate flights of stairs, as well as by an outside entrance on the east. At the west end of the basement is located the steam-heating apparatus. In the gymnasium wood-finish has been sparingly introduced except for the ceiling, and elaborate detail has been avoided. The floors throughout the building are laid principally of rift Virginia pine, the doors and casings being of whitewood and the stair-cases of brown ash. The equipment of the gymnasium embraces modern apparatus and the latest patented appliances in this department. On the exterior the building presents an attractive appearance; and, though comparatively plain in composition, the design illustrates the character of the structure, and its effect is enhanced by the introduction of moulded and ornamental brick and the generous use of dressed stone. The architect is Mr. William C. Brocklesby of Hartford, of the class of 1869.

The cost of the building was nearly \$35,000, a large part of which was provided by special contributions of alumni and friends of the College.



A list of these contributions was published in the last annual catalogue, where mention is also made of special gifts for the endowment of the building, and for the erection of an annex to the gymnasium.

### THE JARVIS HALL OF SCIENCE.

THIS building, which is now in course of erection to the south of the present college buildings, will be opened for use during the coming Trinity term. It is built of brick in early French Romanesque style, and is two stories high with a basement, having a frontage of seventy-nine feet and a depth of sixty-five feet. The angles of the building are emphasized by large ventilating turrets, which not only serve a practical purpose but add greatly to the breadth of wall-mass. The windows in the first story are combined under a number of broad arches; while those of the second story pierce the walls very fully between the angle turrets, the turrets preserving the sense of strength and breadth which would have been otherwise lost. A deep cornice and frieze of brickwork prepares for the roofs, which are hipped from all sides; above these rises a chimney of massive proportions. The exterior masonry is of brick, trimmed pressed brick of a somewhat different shade giving a slight contrast. The interior work is executed entirely in hard pine and masonry, no plaster being used. The building will present a substantial and lasting appearance, as well as one of spaciousness.

The main object in constructing this building has been to make ample provision for laboratory work in chemistry and physics. The first floor is devoted to the department of Physics, and the second to that of Chemistry. In the basement there are a battery-room, an engine-room and workshop (to be used in connection with work in the physical laboratory), and also an assay laboratory. On the floor devoted to Physics there are, besides the lecture-room, a general laboratory and several rooms for special work in optics and electricity. The physical laboratory will be equipped with a dynamo and engine, and the rooms have been arranged with special reference to making the facilities for practical work in electricity as complete as possible. On the second floor are the chemical lecture-room and laboratory, together with such other rooms as are necessary for a working laboratory. The equipment will be such as is required for good work in qualitative and quantitative analysis and assaying.

The architect of the building, Mr. J. Cleveland Cady of New York, of the class of 1860, has designed the building in accordance with plans furnished by the Professors of Chemistry and Physics.

Of the fifty thousand dollars required for the construction of the building and the endowment of the laboratories, \$46,000 has been contributed as follows: by Junius S. Morgan, Esq., of London, England, \$6,000; by George A. Jarvis, Esq., of Brooklyn, N. Y., \$30,000; by Dr. T. Matlack Cheesman of New York City (as a memorial to his son, the late Prof. Louis M. Cheesman), \$5,000; by Walter Keney, Esq., of Hartford, \$5,000.